

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040870.D
 Acq On : 21 Oct 2020 13:26
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Quant Time: Oct 22 00:40:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:32:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	265316	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	265075	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	135540	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	88964	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.92	69	76342	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.58	63	189129	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.65	46	370203	57.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.64%
24) Chloroform-d	5.08	84	188870	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.72	65	111246	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	339905	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.70	67	114506	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.91	98	300582	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.18	79	49324	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.64	63	287848	60.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	108323	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	119417	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	131178	4.870 ug/L	99
3) Chloromethane	1.53	50	136591	4.672 ug/L	96
5) Vinyl chloride	1.61	62	132448	4.872 ug/L	96
6) Bromomethane	1.86	94	73913	5.396 ug/L	99
8) Chloroethane	1.94	64	78770	4.482 ug/L	100
9) Trichlorofluoromethane	2.15	101	176010	4.908 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	103276	4.954 ug/L	98
12) 1,1-Dichloroethene	2.59	96	96229	4.952 ug/L	94
13) Acetone	2.66	43	247986	54.637 ug/L	98
14) Carbon disulfide	2.81	76	336674	4.870 ug/L	98
15) Methyl Acetate	2.97	43	59933	5.221 ug/L	99
16) Methylene chloride	3.06	84	111637	4.671 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	254683	5.384 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	100691	4.997 ug/L	95
19) 1,1-Dichloroethane	3.89	63	199908	4.931 ug/L	98
21) 2-Butanone	4.73	43	398916	58.314 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	106107	4.795 ug/L	92

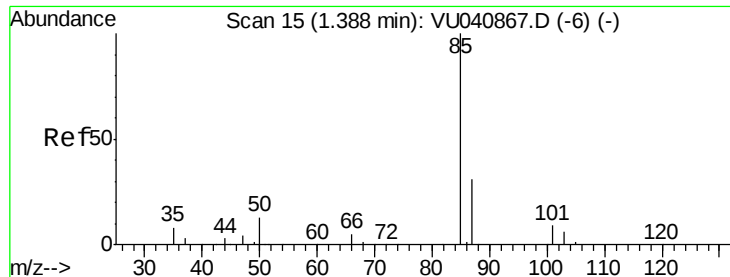
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	49317	4.986	uq/L	86
25) Chloroform	5.11	83	198832	4.806	uq/L	95
27) 1,2-Dichloroethane	5.81	62	143834	5.092	uq/L	99
29) 1,1,1-Trichloroethane	5.33	97	169444	4.917	uq/L	99
30) Cyclohexane	5.40	56	176365	5.132	uq/L	98
31) Carbon tetrachloride	5.54	117	148571	4.905	uq/L	99
33) Benzene	5.79	78	430330	5.050	uq/L	100
34) Trichloroethene	6.55	95	109737	5.060	uq/L	97
35) Methylcyclohexane	6.77	83	164892	5.080	uq/L	96
37) 1,2-Dichloropropane	6.80	63	115957	5.040	uq/L	99
38) Bromodichloromethane	7.11	83	146015	4.999	uq/L	99
39) cis-1,3-Dichloropropene	7.61	75	160336	5.211	uq/L	98
40) 4-Methyl-2-pentanone	7.80	43	931740	60.353	uq/L	100
42) Toluene	7.98	91	444325	5.191	uq/L	98
44) trans-1,3-Dichloropropene	8.21	75	150088	5.388	uq/L	97
45) 1,1,2-Trichloroethane	8.40	97	80538	5.138	uq/L	96
47) Tetrachloroethene	8.56	164	81010	5.019	uq/L	95
48) 2-Hexanone	8.69	43	700889	62.408	uq/L	99
49) Dibromochloromethane	8.81	129	95323	5.097	uq/L	96
50) 1,2-Dibromoethane	8.93	107	80216	5.478	uq/L	100
51) Chlorobenzene	9.45	112	274118	4.960	uq/L	99
52) Ethylbenzene	9.57	91	463273	5.034	uq/L	98
53) m,p-Xylene	9.69	106	174146	5.253	uq/L	97
54) o-Xylene	10.10	106	165548	5.252	uq/L	98
55) Styrene	10.11	104	292872	5.341	uq/L	100
56) Isopropylbenzene	10.48	105	444975	5.275	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	110923	5.555	uq/L	99
59) 1,2,3-Trichloropropane	10.82	75	82585	5.523	uq/L	98
61) Bromoform	10.29	173	53051	5.339	uq/L	99
62) 1,3-Dichlorobenzene	11.74	146	222674	5.185	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	229848	5.207	uq/L	95
65) 1,2-Dichlorobenzene	12.20	146	218186	5.413	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	19429	5.180	uq/L #	83
67) 1,3,5-Trichlorobenzene	13.21	180	162703	5.161	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	146230	5.503	uq/L	98
69) Naphthalene	14.08	128	281556	5.757	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	140246	5.442	uq/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 4.870 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

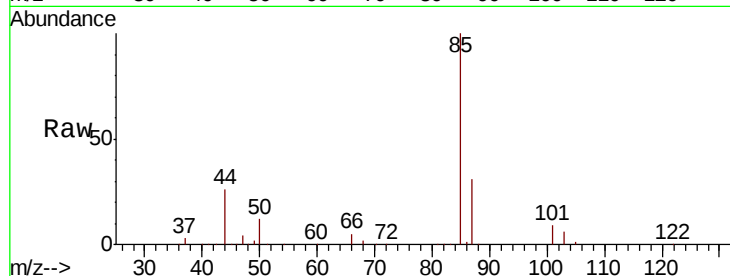
VICV05

Tot Ion: 85 Resp: 131178

Ion Ratio Lower Upper

85 100

87 32.1 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

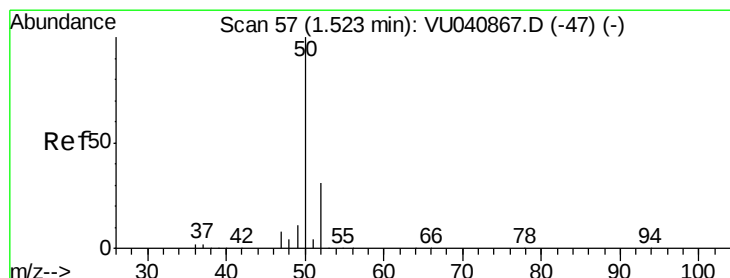
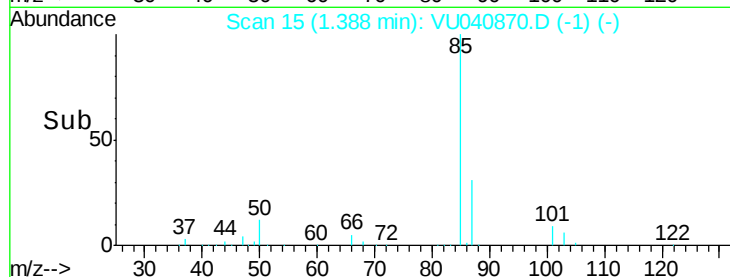
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.672 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040870.D

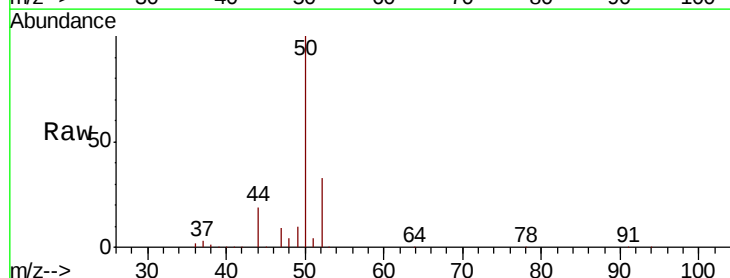
Acq: 21 Oct 2020 13:26

Tgt Ion: 50 Resp: 136591

Ion Ratio Lower Upper

50 100

52 33.2 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

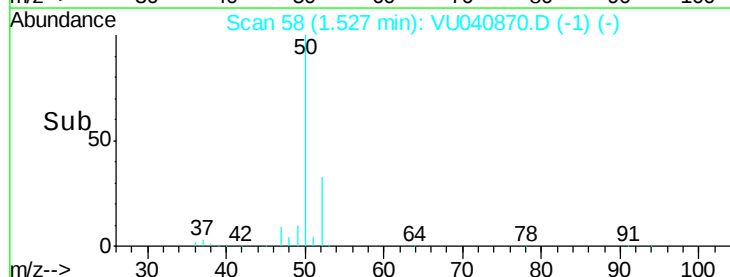
1.53

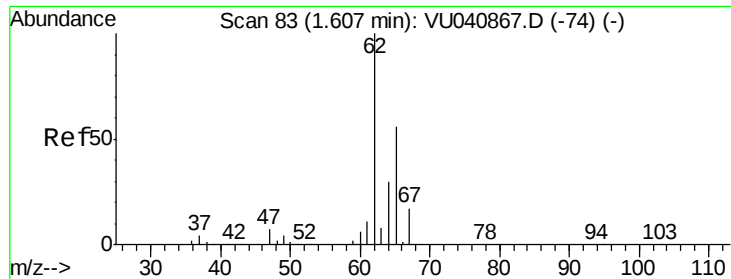
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.872 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

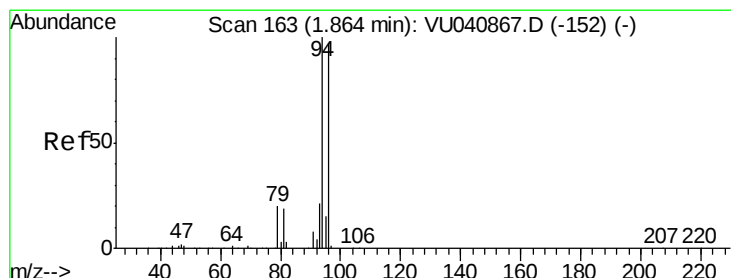
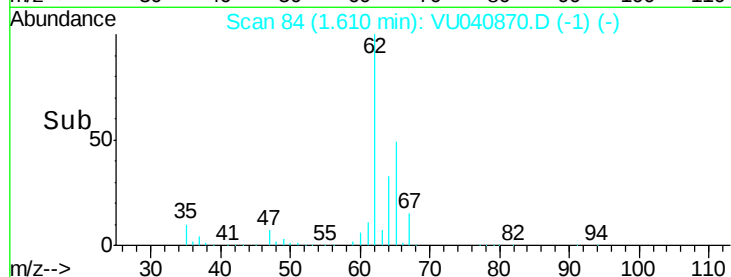
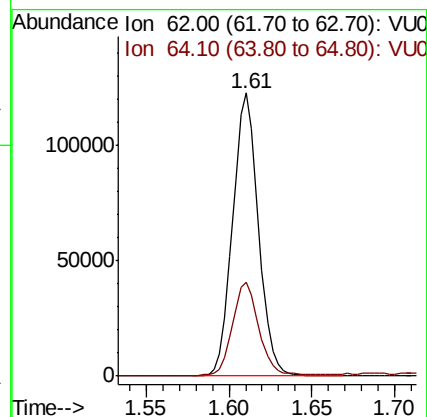
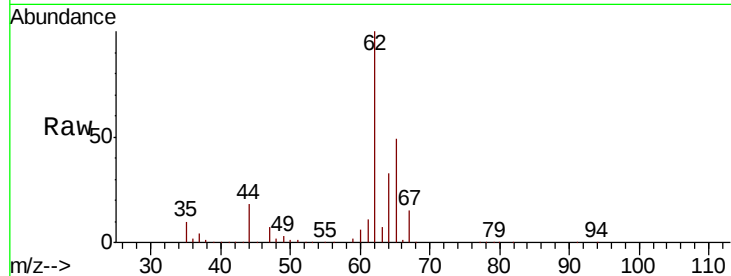
VICV05

Tot Ion: 62 Resp: 132448

Ion Ratio Lower Upper

62 100

64 33.3 21.8 40.6



#6

Bromomethane

Concen: 5.396 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040870.D

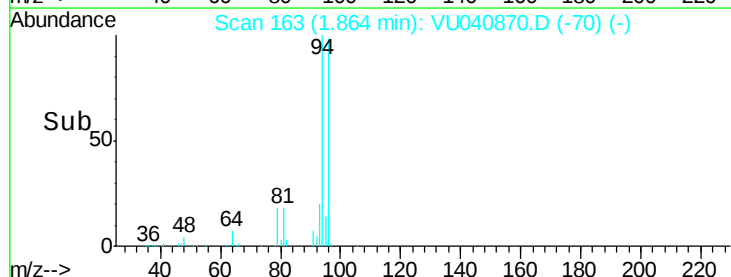
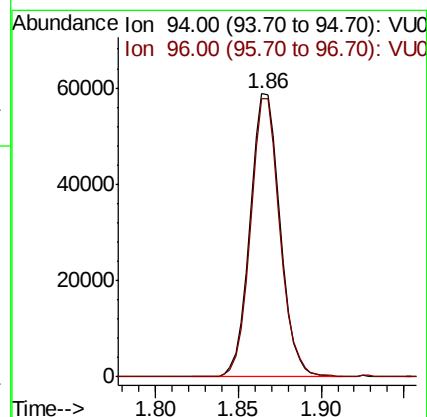
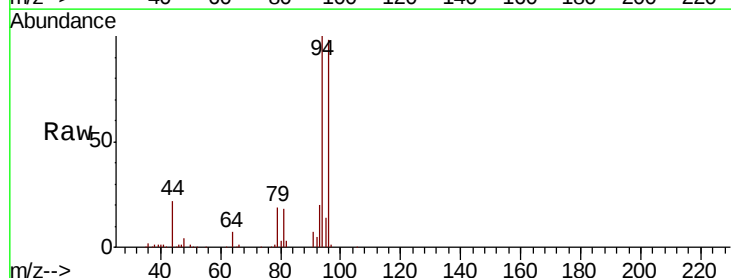
Acq: 21 Oct 2020 13:26

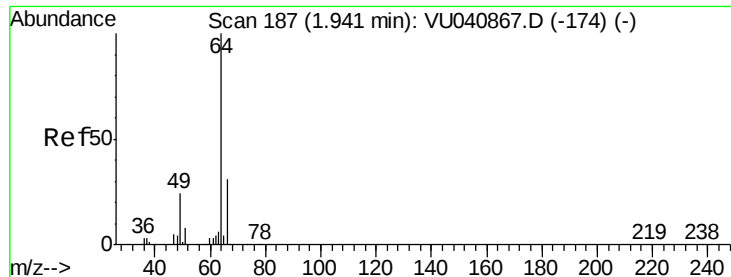
Tgt Ion: 94 Resp: 73913

Ion Ratio Lower Upper

94 100

96 98.2 67.8 125.8

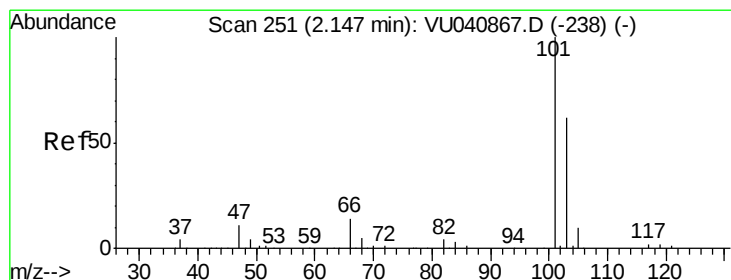
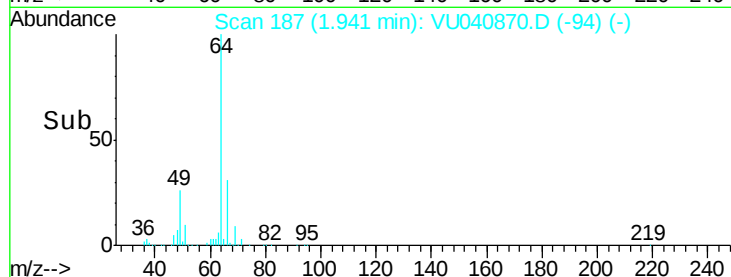
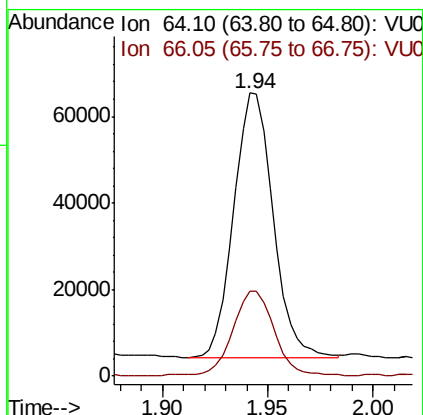
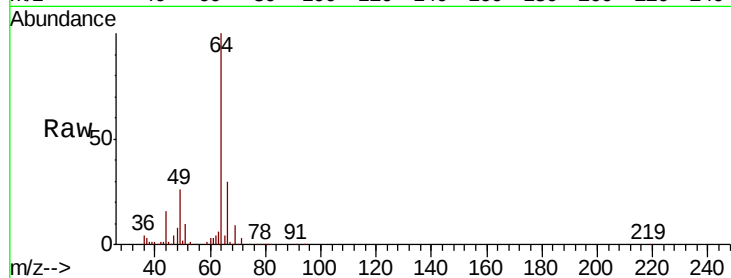




#8
Chloroethane
Concen: 4.482 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

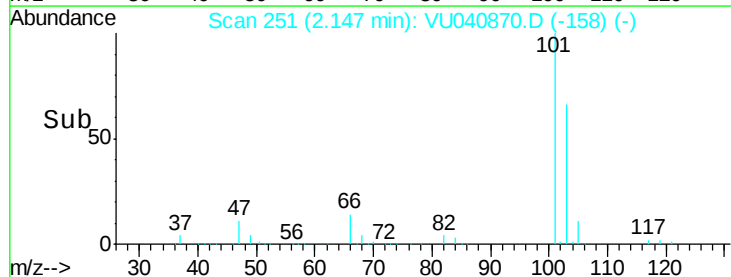
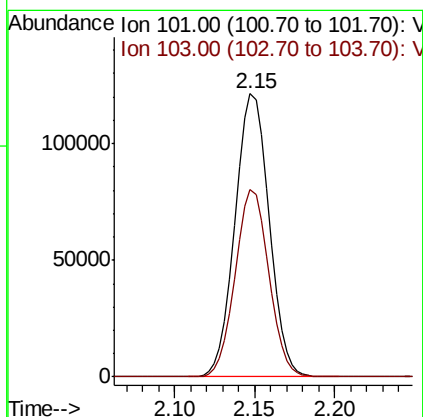
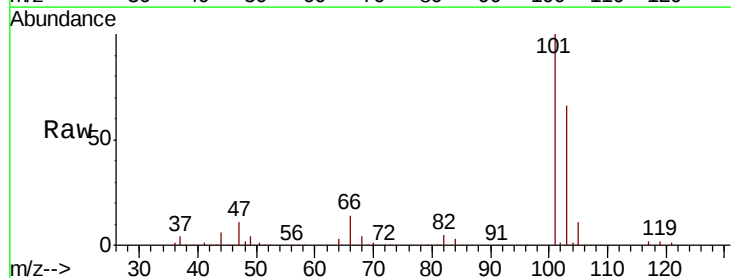
Instrument :
MSVOA_U
ClientSampleId :
VICV05

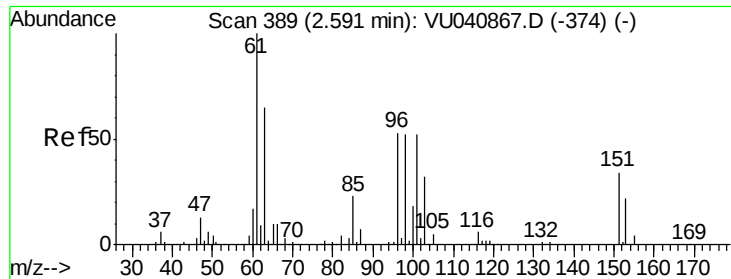
Tot Ion: 64 Resp: 78770
Ion Ratio Lower Upper
64 100
66 30.2 21.2 39.4



#9
Trichlorofluoromethane
Concen: 4.908 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Tgt Ion:101 Resp: 176010
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.954 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampled :

VICV05

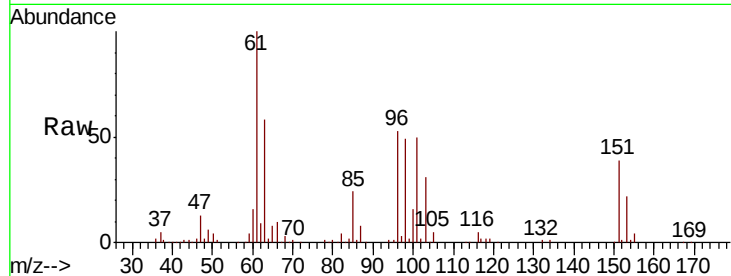
Tot Ion:101 Resp: 103276

Ion Ratio Lower Upper

101 100

85 46.0 36.4 54.6

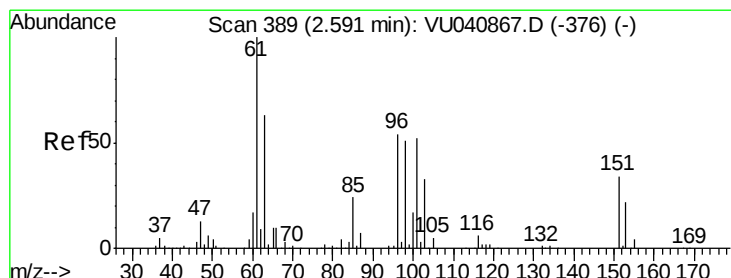
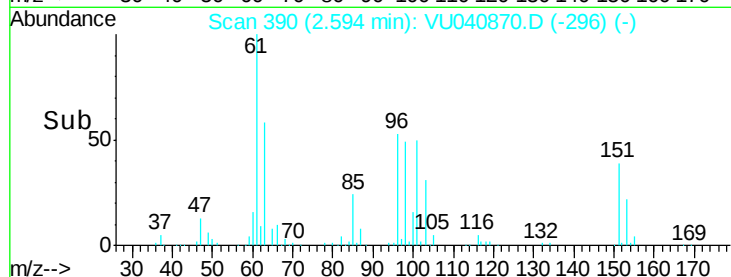
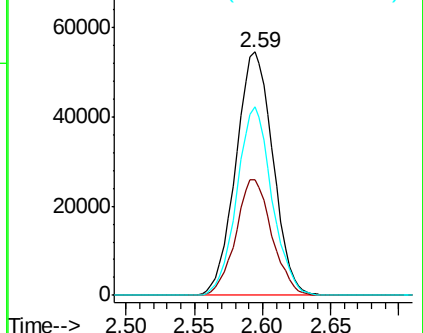
151 73.0 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.952 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

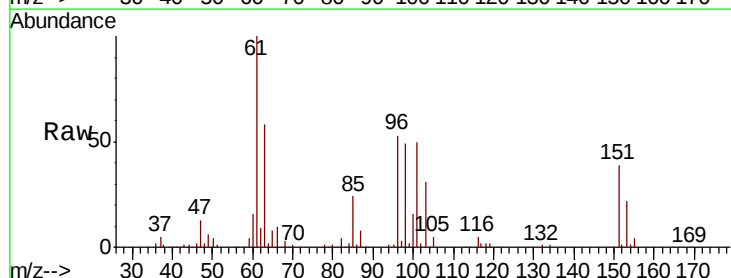
Tgt Ion: 96 Resp: 96229

Ion Ratio Lower Upper

96 100

61 190.1 130.9 243.1

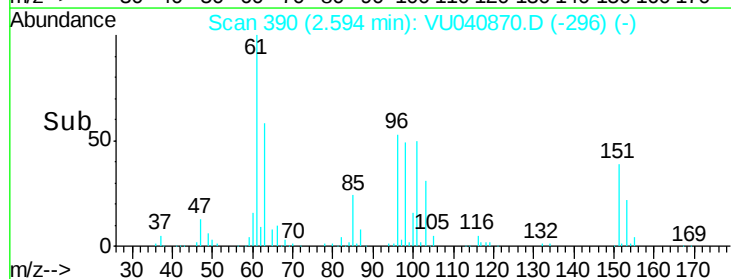
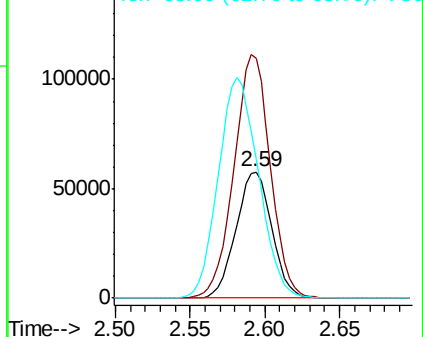
63 109.7 85.4 158.6

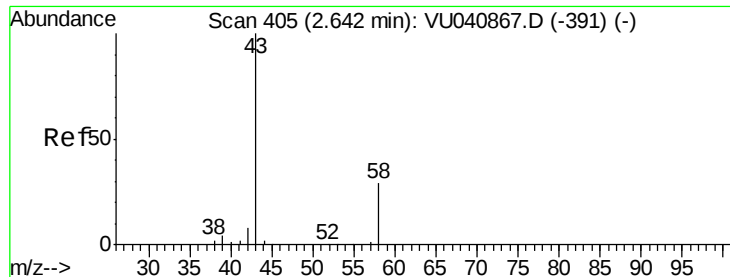


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.637 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

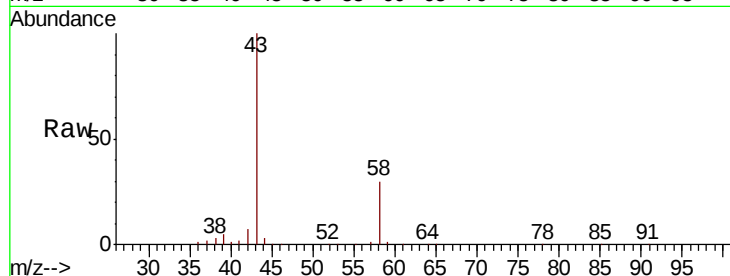
VICV05

Tot Ion: 43 Resp: 247986

Ion Ratio Lower Upper

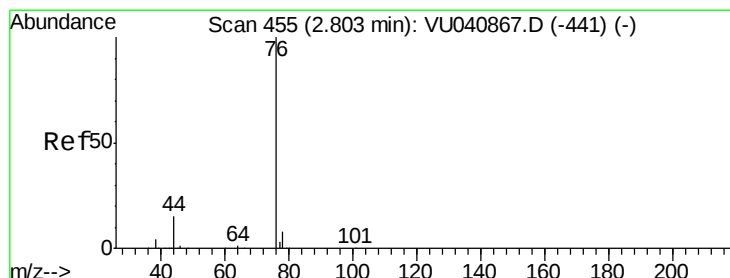
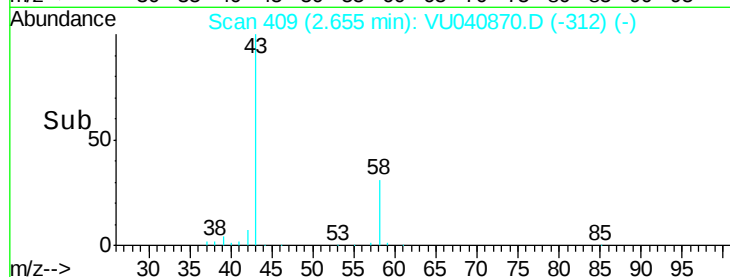
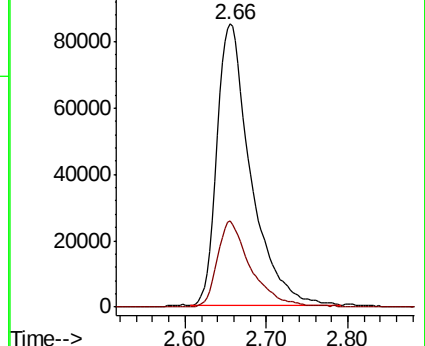
43 100

58 30.2 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU040870.D (-391) (-)

Ion 58.05 (57.75 to 58.75): VU040870.D (-391) (-)



#14

Carbon disulfide

Concen: 4.870 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040870.D

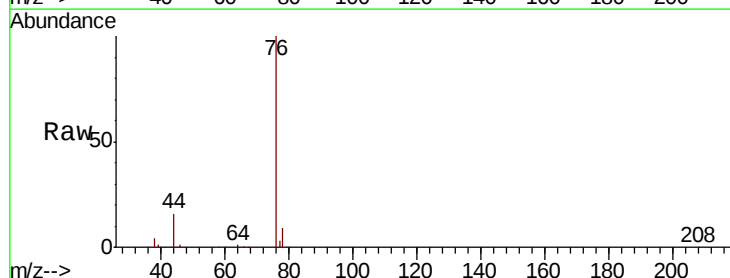
Acq: 21 Oct 2020 13:26

Tgt Ion: 76 Resp: 336674

Ion Ratio Lower Upper

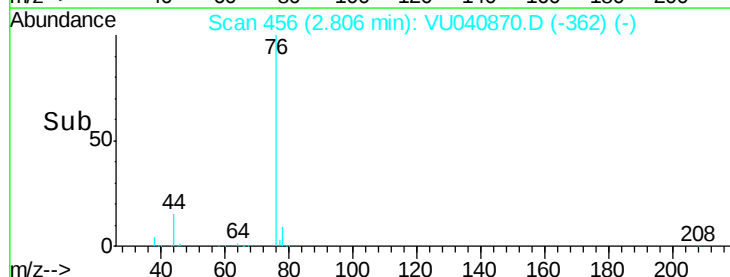
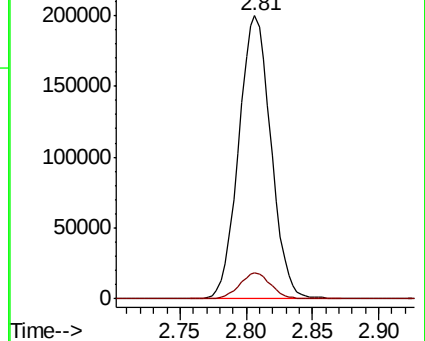
76 100

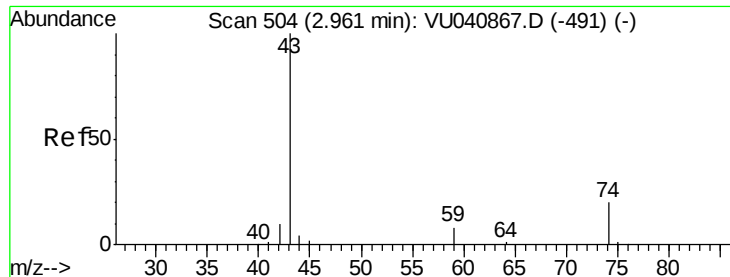
78 9.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040870.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU040870.D (-362) (-)





#15

Methvl Acetate

Concen: 5.221 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.01 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

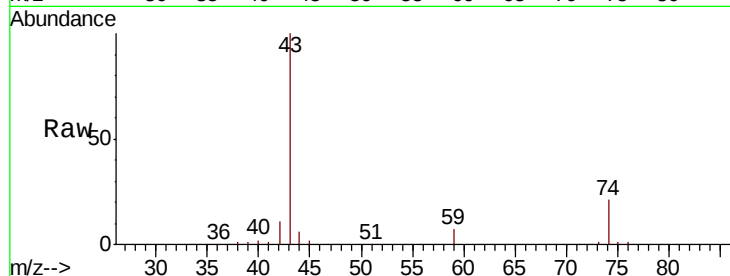
VICV05

Tot Ion: 43 Resp: 59933

Ion Ratio Lower Upper

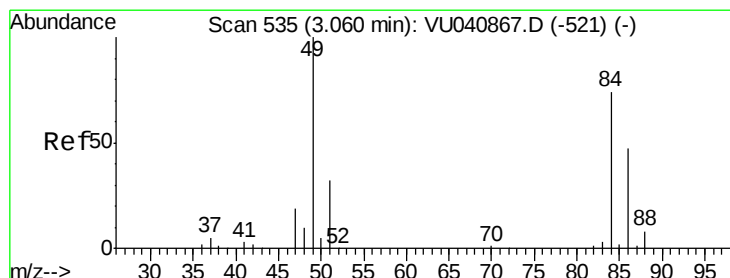
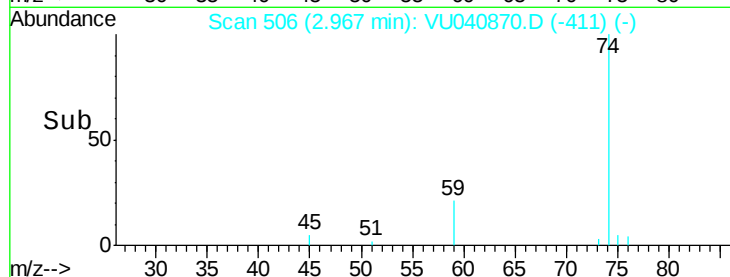
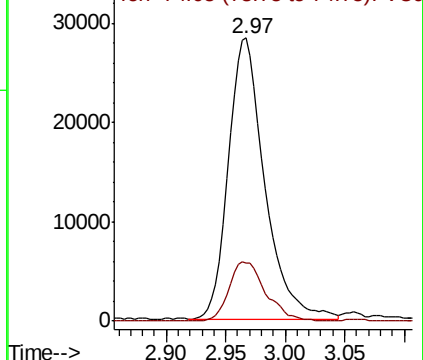
43 100

74 21.4 16.6 25.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.671 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

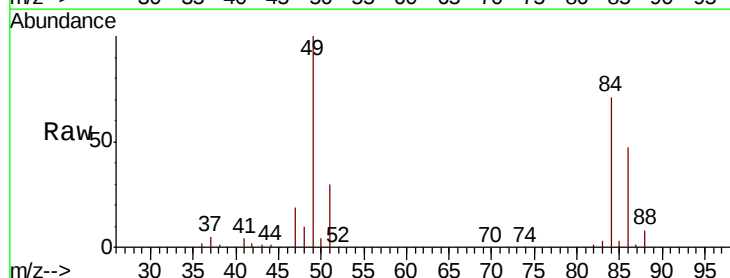
Tgt Ion: 84 Resp: 111637

Ion Ratio Lower Upper

84 100

86 66.5 44.9 83.5

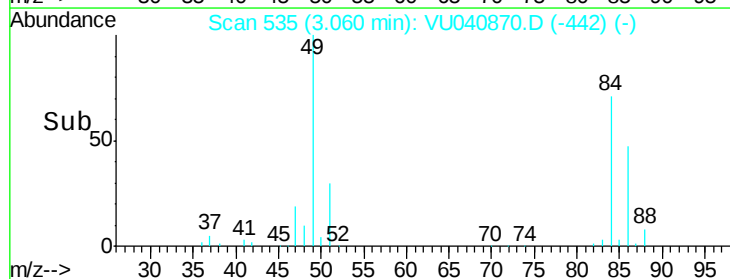
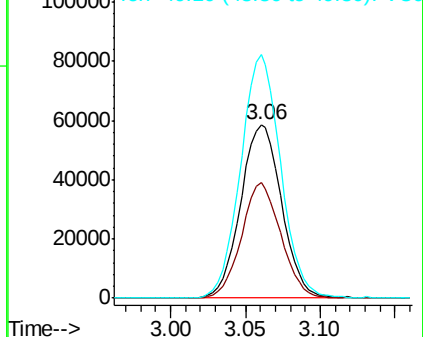
49 140.4 94.7 175.9

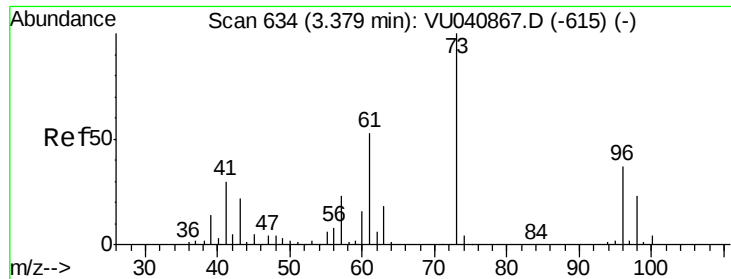


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

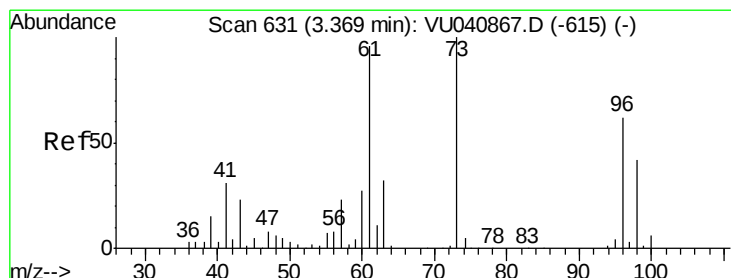
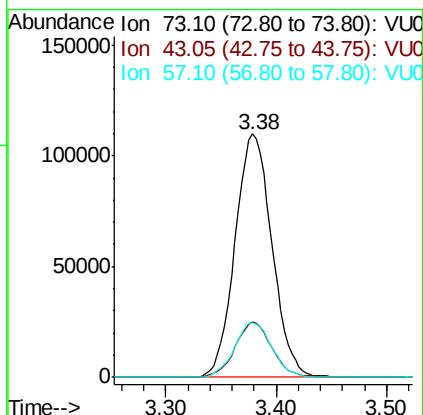
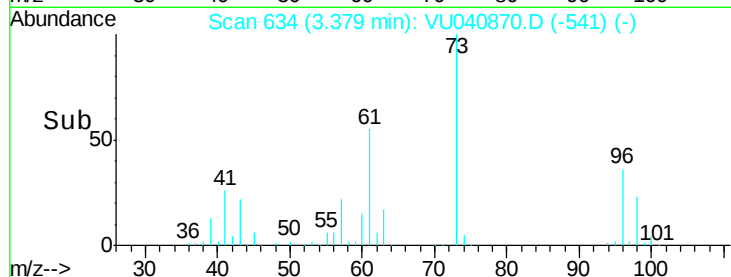
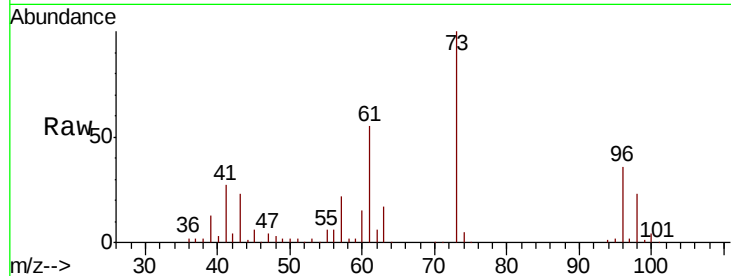




#17
Methvl tert-butvl Ether
Concen: 5.384 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

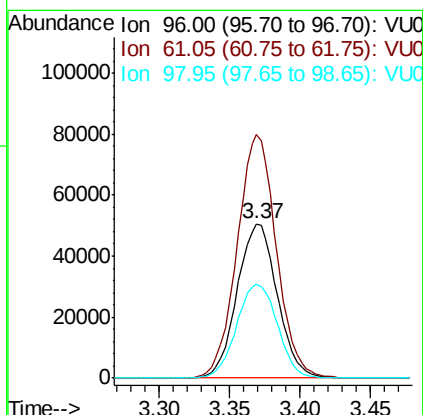
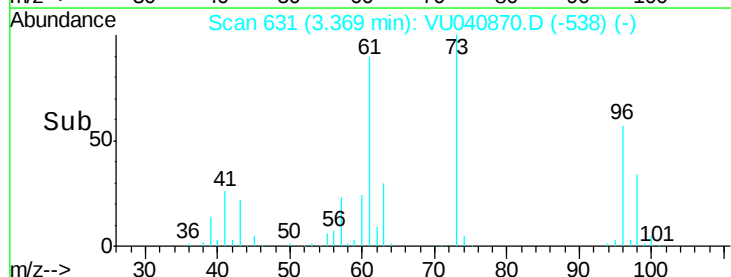
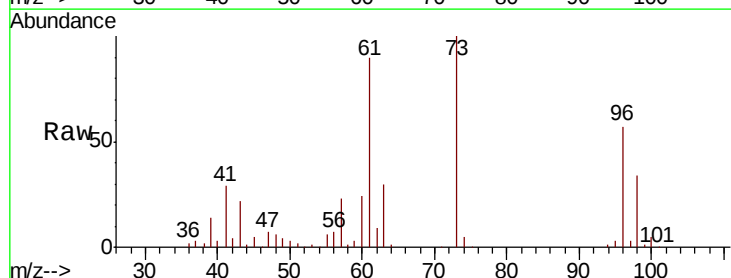
Instrument :
MSVOA_U
ClientSampleId :
VICV05

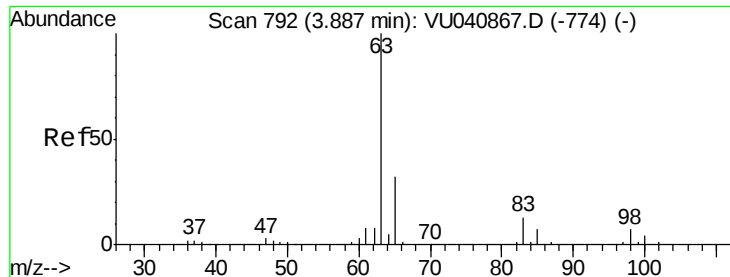
Tot Ion:	73	Resp:	254683
Ion	Ratio	Lower	Upper
73	100		
43	22.3	18.6	27.8
57	22.8	18.5	27.7



#18
trans-1,2-Dichloroethene
Concen: 4.997 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Tgt Ion:	96	Resp:	100691
Ion	Ratio	Lower	Upper
96	100		
61	157.4	107.9	200.3
98	60.6	47.5	88.1

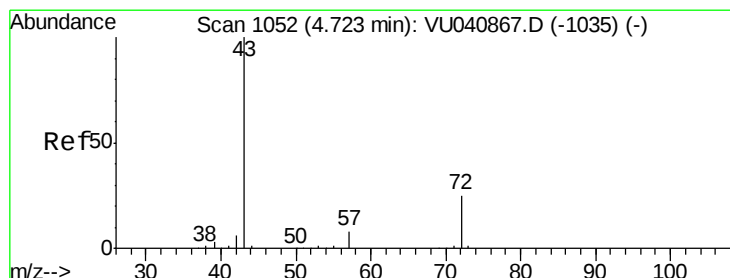
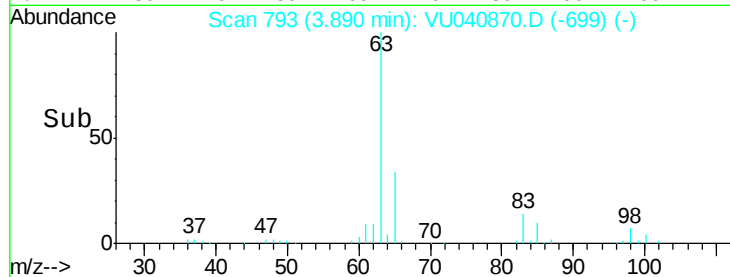
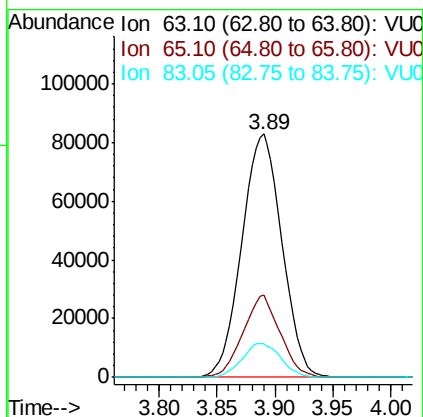
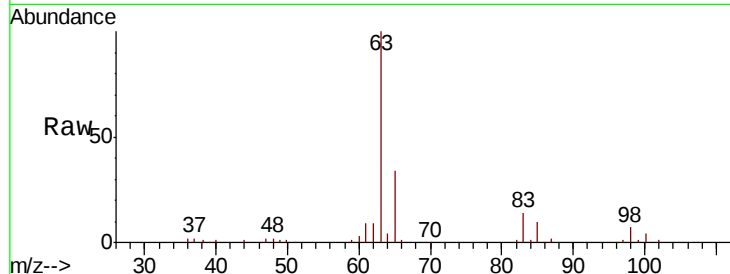




#19
 1,1-Dichloroethane
 Concen: 4.931 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

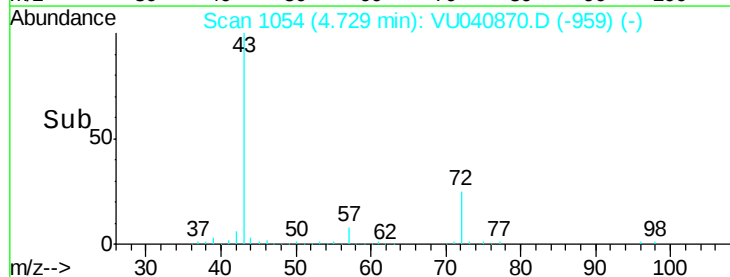
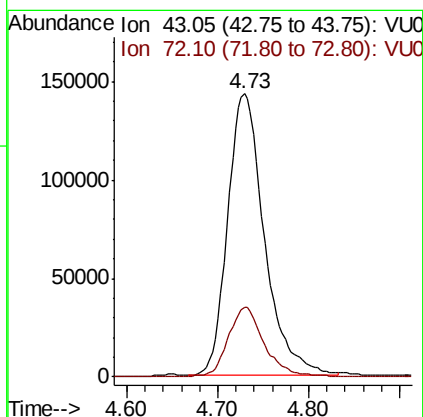
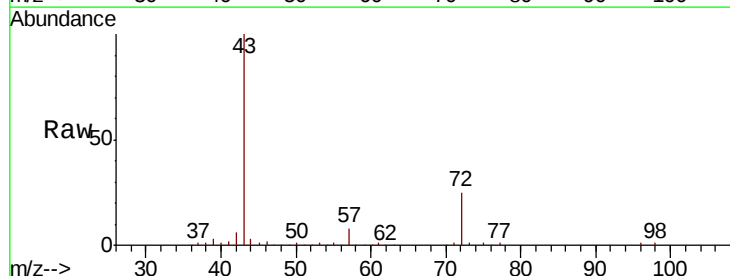
Instrument :
 MSVOA_U
 ClientSampled :
 VICV05

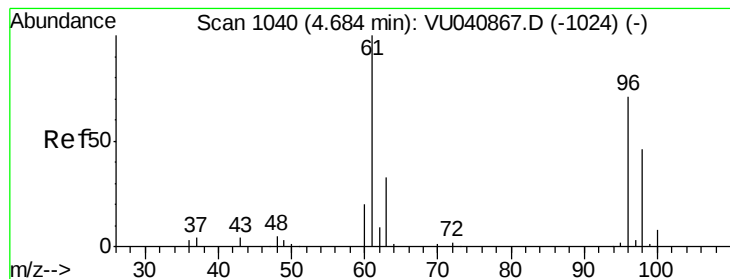
Tot Ion: 63 Resp: 199908
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.6 42.0
 83 13.6 9.4 17.6



#21
 2-Butanone
 Concen: 58.314 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Tgt Ion: 43 Resp: 398916
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.2 36.4





#22

cis-1,2-Dichloroethene

Concen: 4.795 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampled :

VICV05

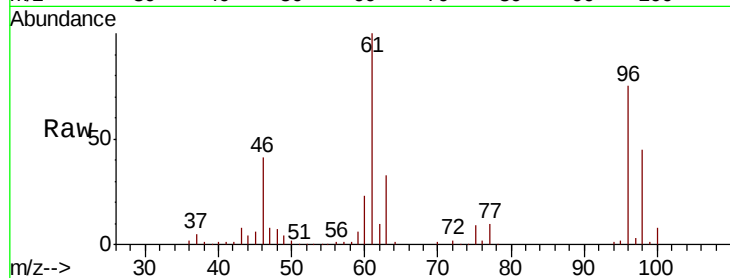
Tot Ion: 96 Resp: 106107

Ion Ratio Lower Upper

96 100

61 133.1 100.0 185.6

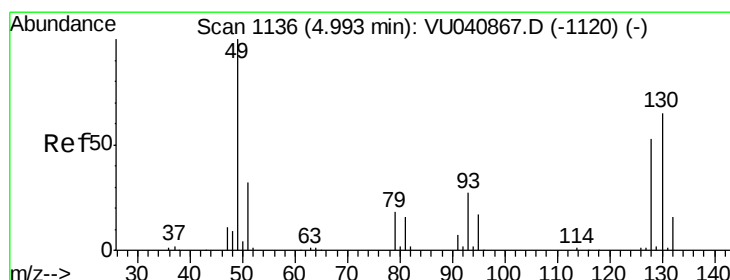
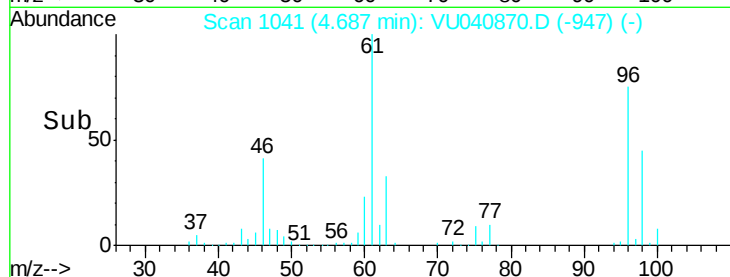
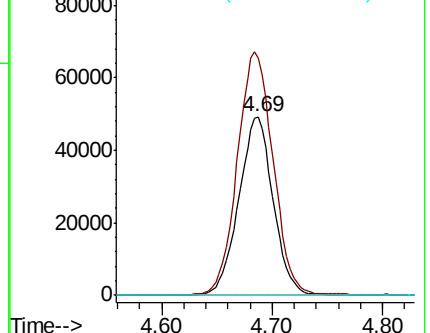
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040870.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040870.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040870.D (-947) (-)



#23

Bromochloromethane

Concen: 4.986 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Tgt Ion: 128 Resp: 49317

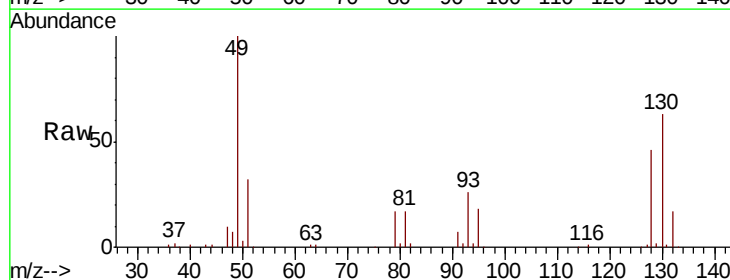
Ion Ratio Lower Upper

128 100

49 216.9 133.2 247.4

130 136.1 86.6 160.8

51 68.7 48.8 73.2

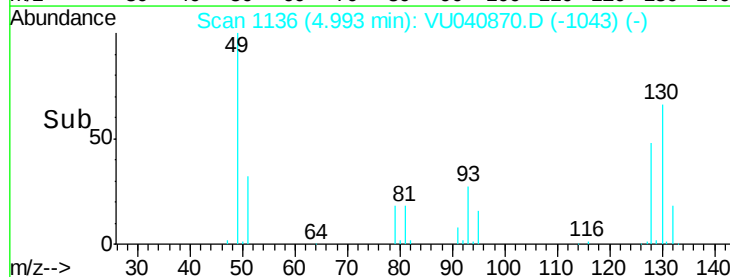
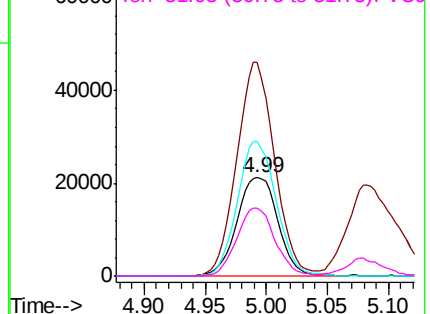


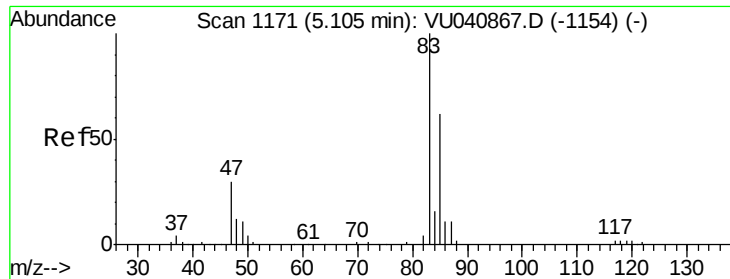
Abundance Ion 127.90 (127.60 to 128.60): VU040870.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040870.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040870.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040870.D (-1043) (-)

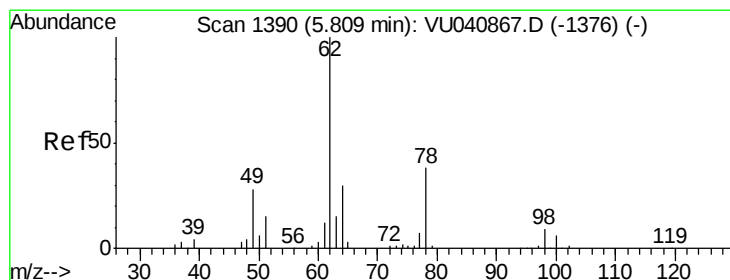
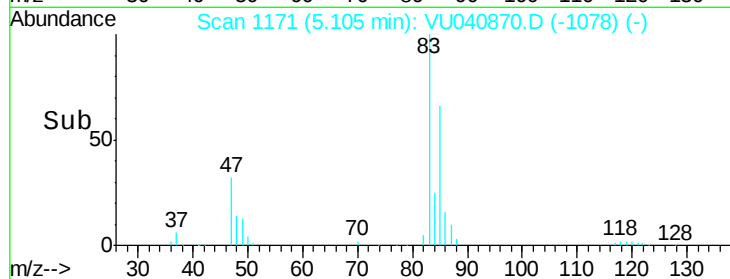
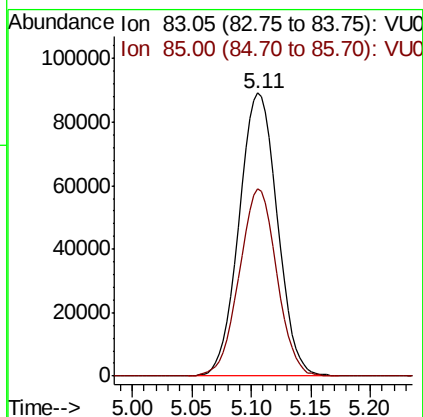
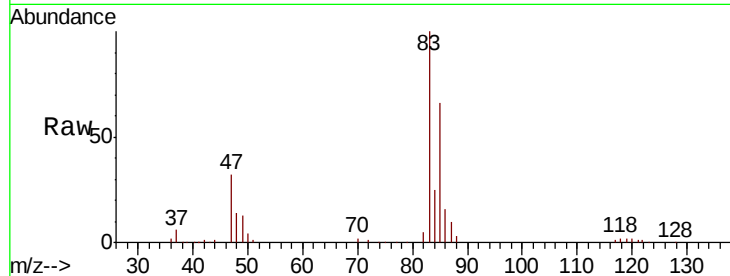




#25
Chloroform
Concen: 4.806 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

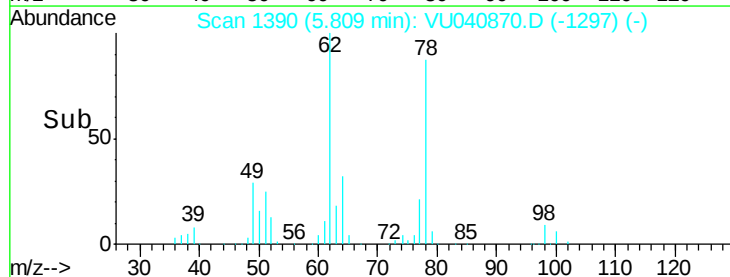
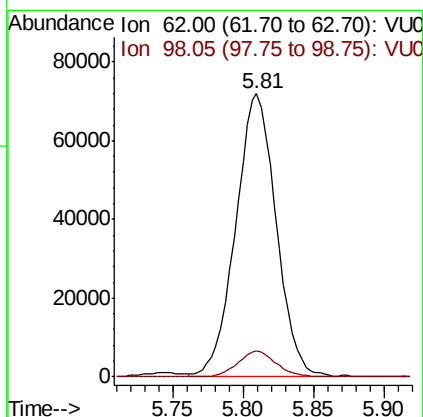
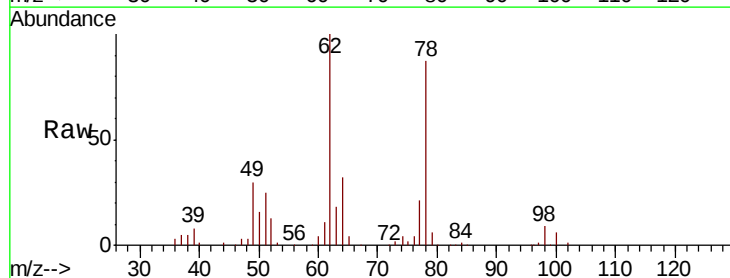
Instrument :
MSVOA_U
ClientSampleId :
VICV05

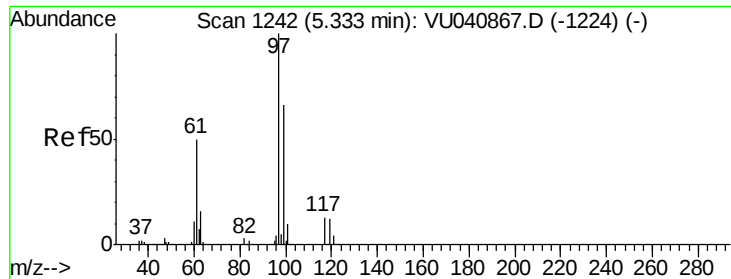
Tot Ion: 83 Resp: 198832
Ion Ratio Lower Upper
83 100
85 66.1 43.4 80.6



#27
1,2-Dichloroethane
Concen: 5.092 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Tgt Ion: 62 Resp: 143834
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6

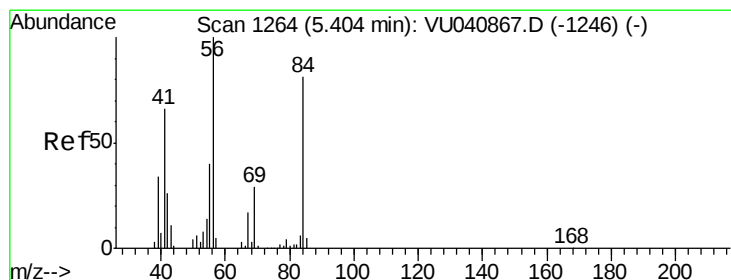
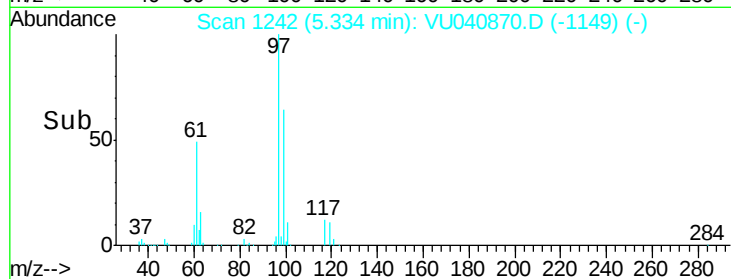
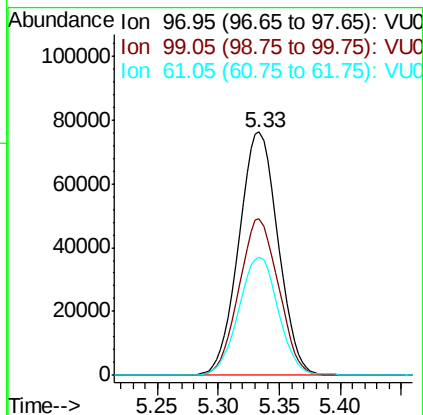
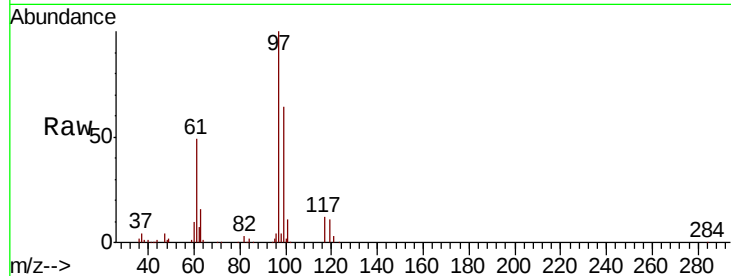




#29
 1,1,1-Trichloroethane
 Concen: 4.917 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

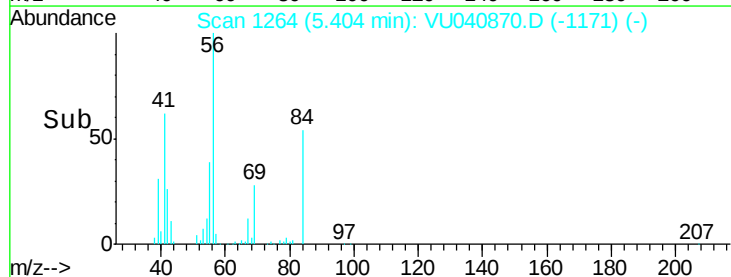
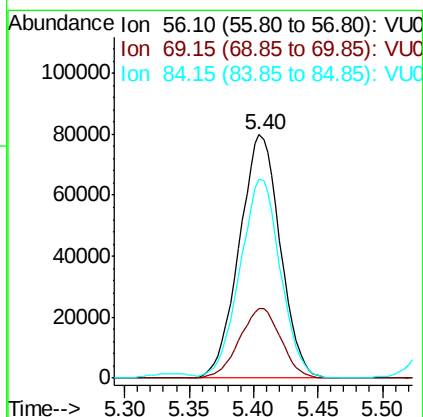
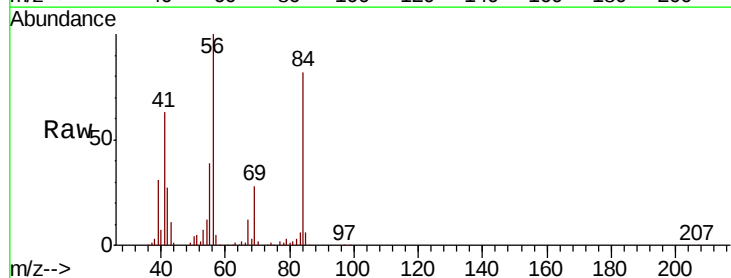
Instrument :
 MSVOA_U
 ClientSampled :
 VICV05

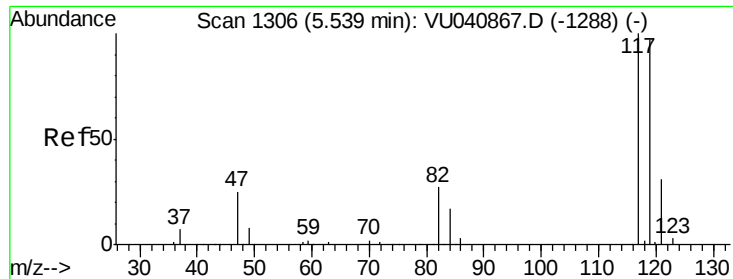
Tot Ion	97	Resp	169444
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.2	76.8
61	49.4	39.0	58.6



#30
 Cyclohexane
 Concen: 5.132 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Tgt Ion	56	Resp	176365
Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.6	33.8
84	81.2	63.0	94.6





#31

Carbon tetrachloride

Concen: 4.905 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

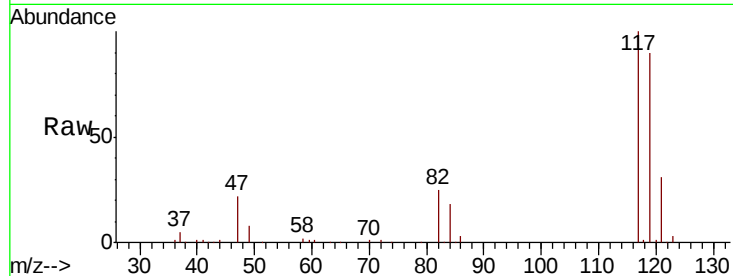
VICV05

Tot Ion:117 Resp: 148571

Ion Ratio Lower Upper

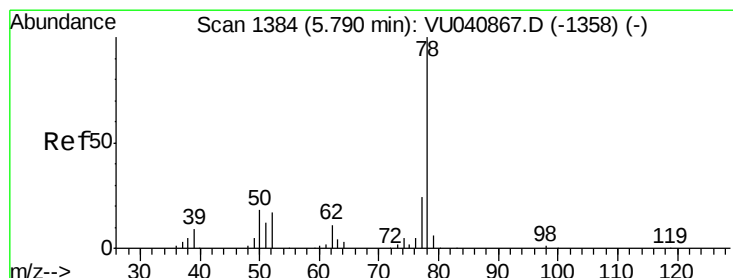
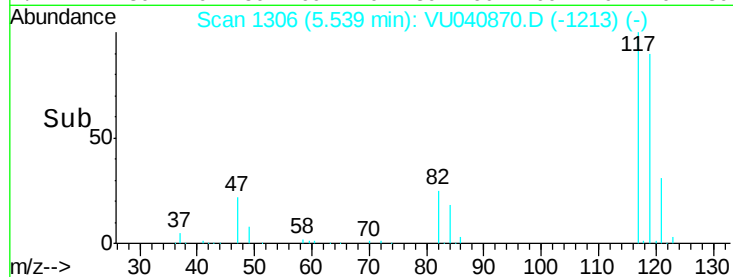
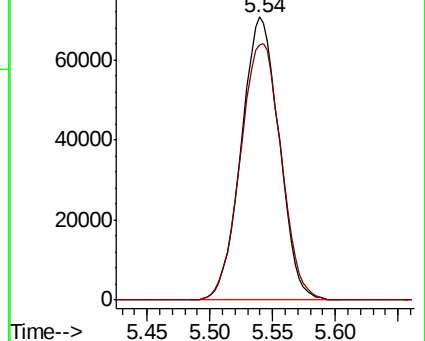
117 100

119 97.7 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.050 ug/L

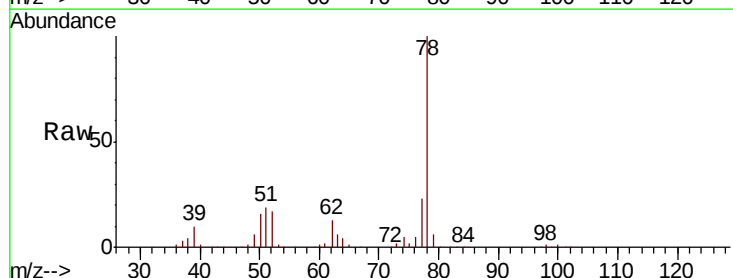
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

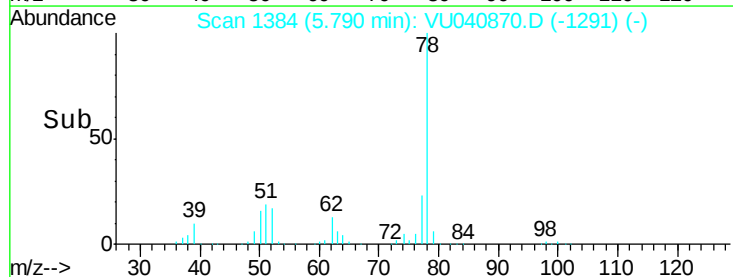
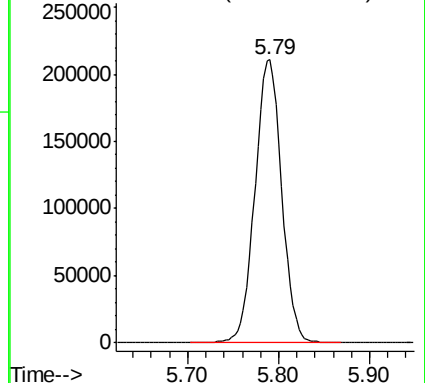
Lab File: VU040870.D

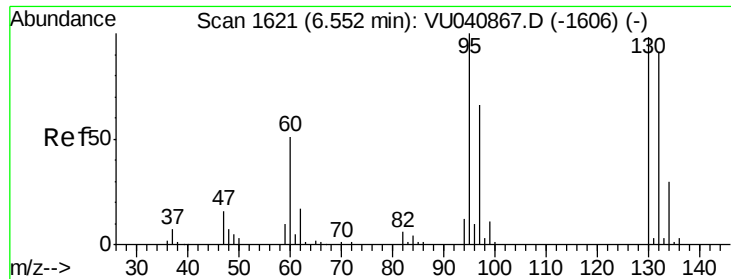
Acq: 21 Oct 2020 13:26

Tgt Ion: 78 Resp: 430330



Abundance Ion 78.10 (77.80 to 78.80): VU0

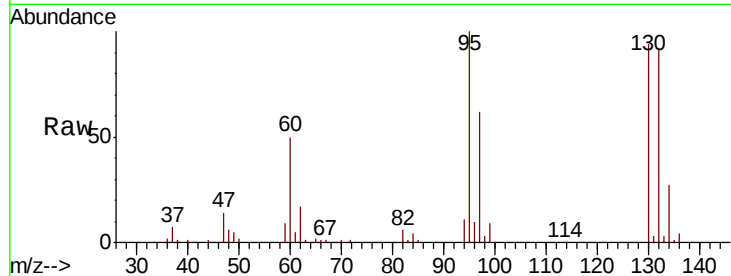




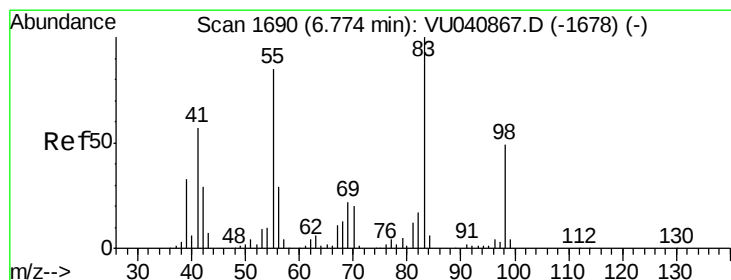
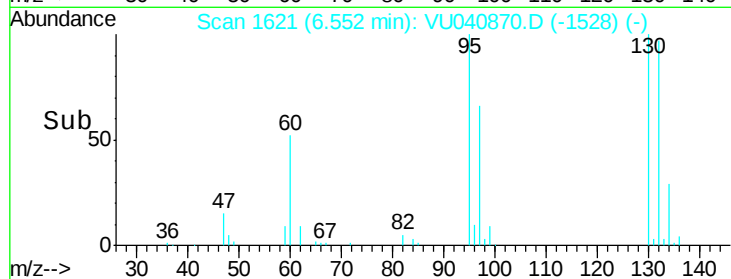
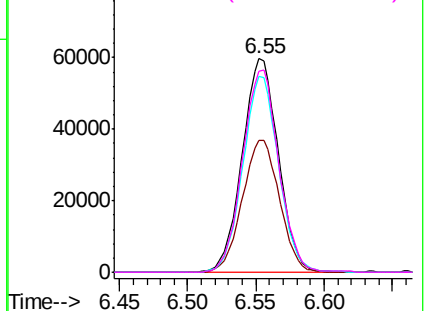
#34
 Trichloroethene
 Concen: 5.060 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tot Ion: 95 Resp: 109737
 Ion Ratio Lower Upper
 95 100
 97 62.0 46.0 85.4
 132 91.8 63.6 118.2
 130 94.1 68.6 127.4

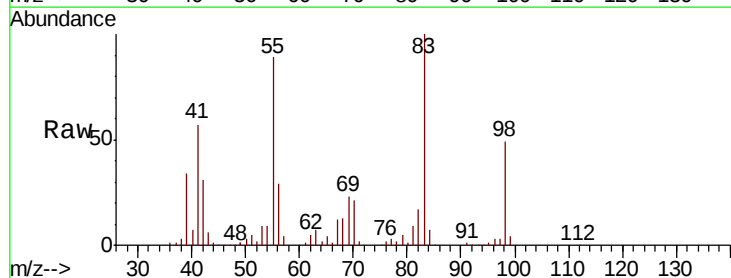


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

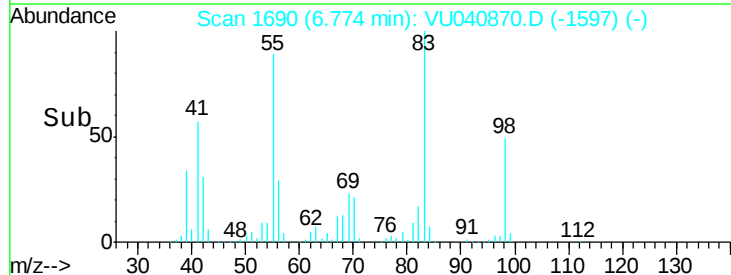
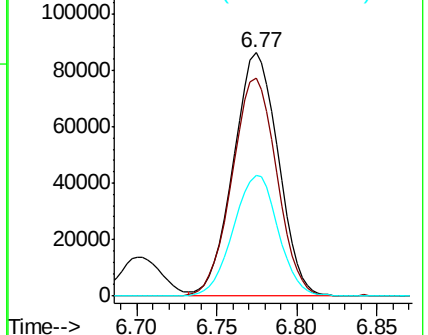


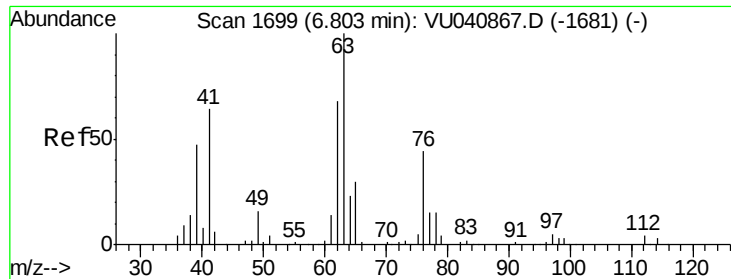
#35
 Methylcyclohexane
 Concen: 5.080 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Tgt Ion: 83 Resp: 164892
 Ion Ratio Lower Upper
 83 100
 55 89.5 69.1 103.7
 98 49.9 37.8 56.6



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

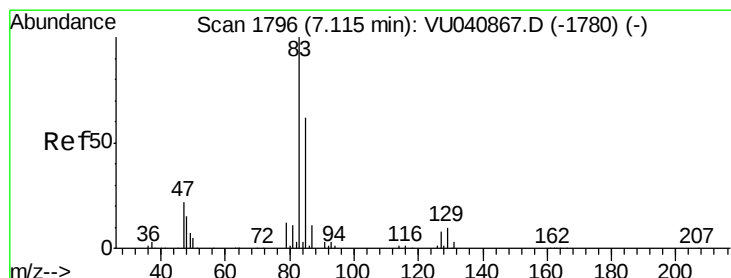
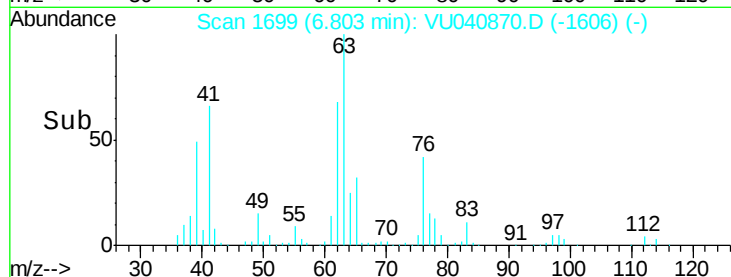
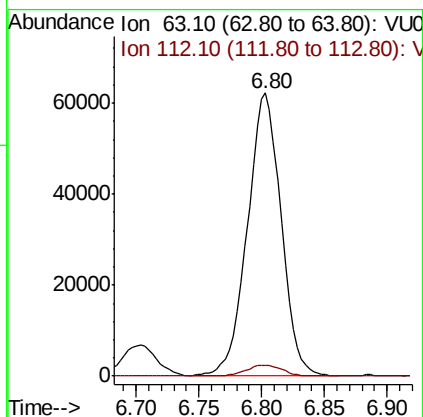
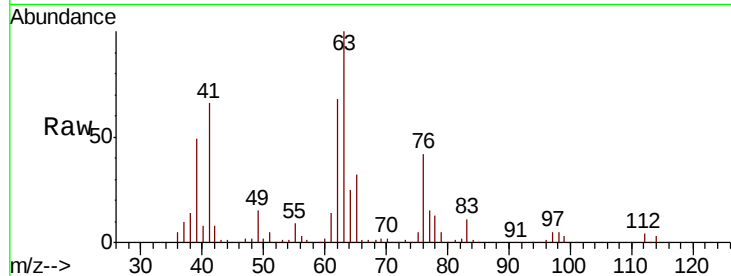




#37
 1,2-Dichloropropane
 Concen: 5.040 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

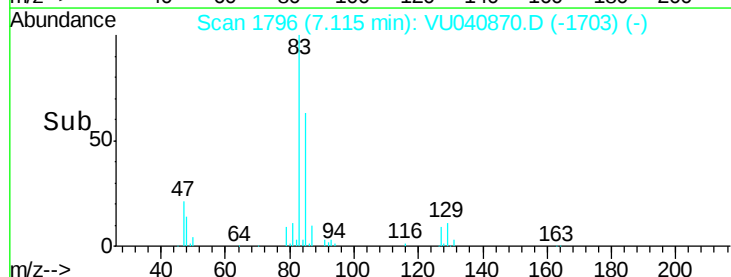
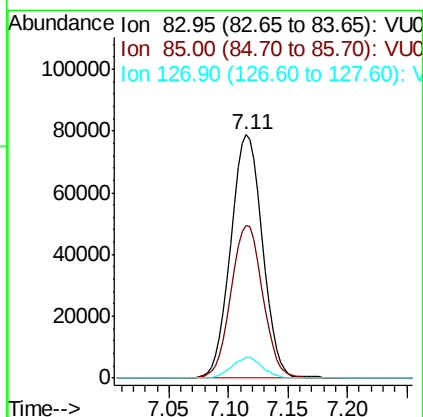
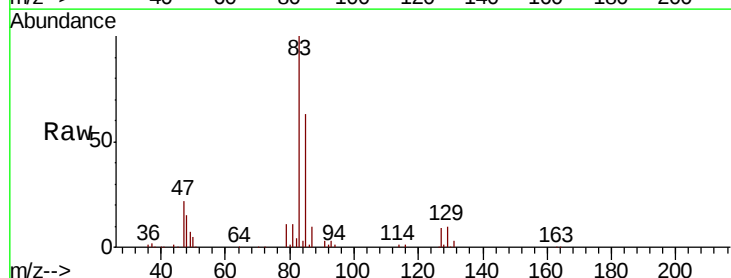
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

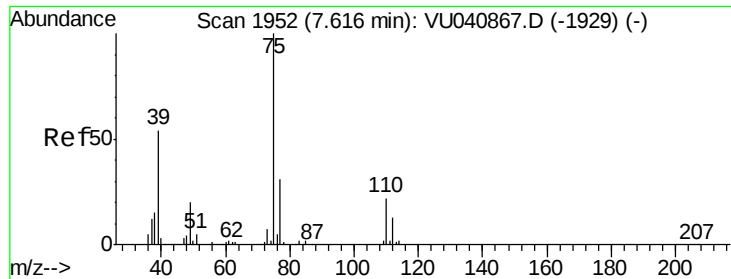
Tot Ion: 63 Resp: 115957
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.999 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Tgt Ion: 83 Resp: 146015
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.3 80.5
 127 8.5 6.2 9.4

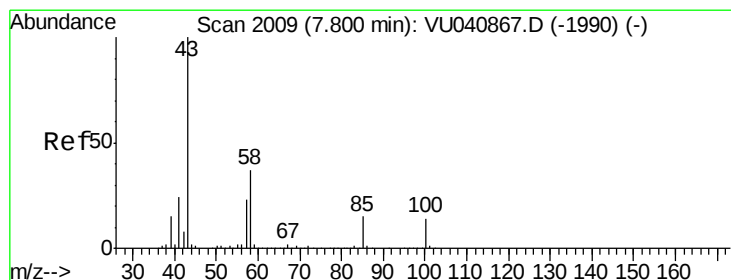
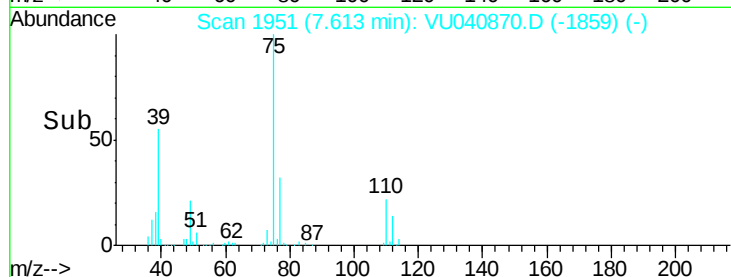
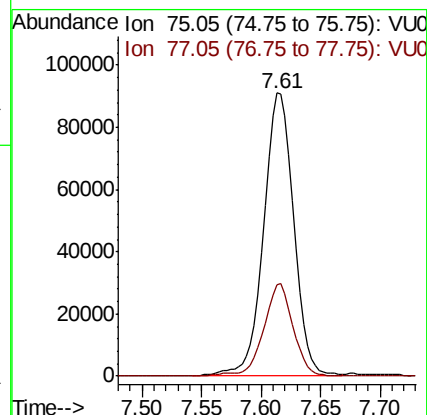
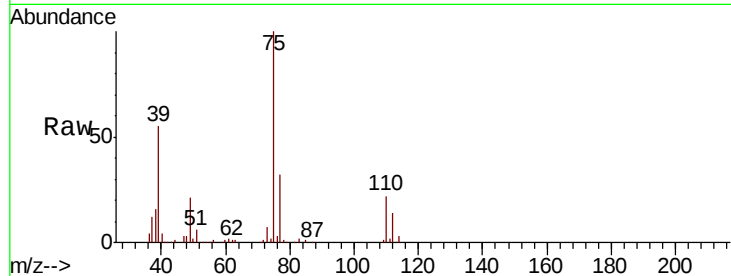




#39
 cis-1,3-Dichloropropene
 Concen: 5.211 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

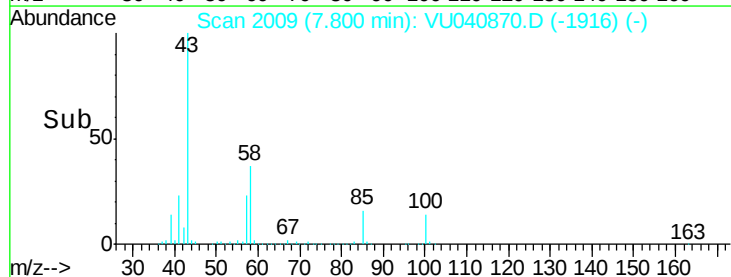
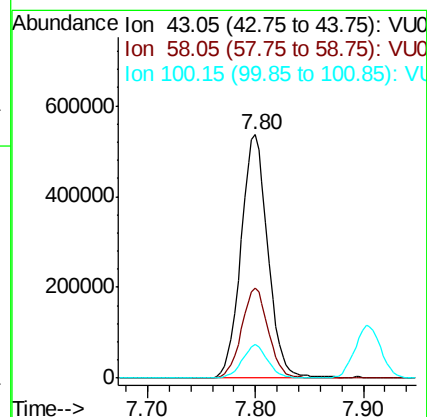
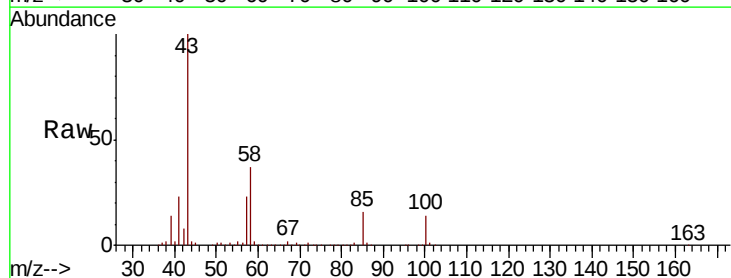
Instrument :
 MSVOA_U
 ClientSampled :
 VICV05

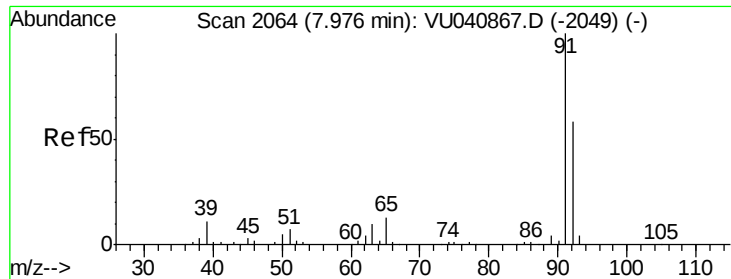
Tot Ion: 75 Resp: 160336
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 60.353 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Tgt Ion: 43 Resp: 931740
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5
 100 13.1 10.6 16.0





#42

Toluene

Concen: 5.191 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

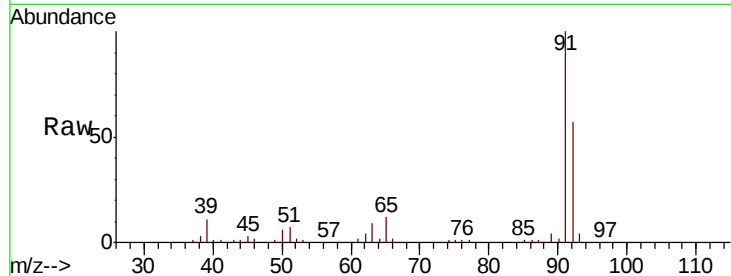
VICV05

Tot Ion: 91 Resp: 444325

Ion Ratio Lower Upper

91 100

92 56.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040870.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU040870.D (-1971) (-)

7.98

300000

250000

200000

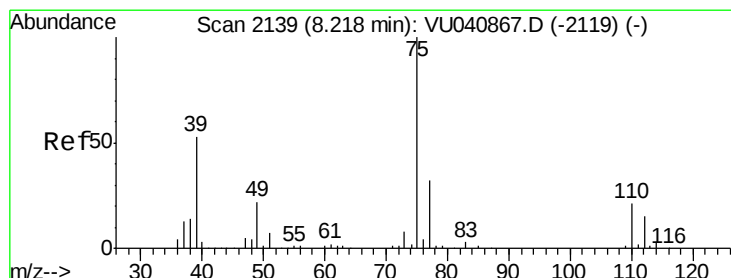
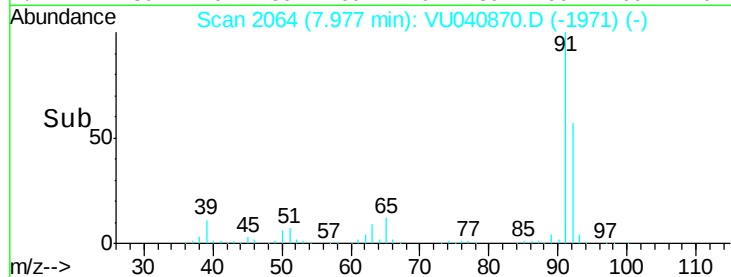
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.388 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040870.D

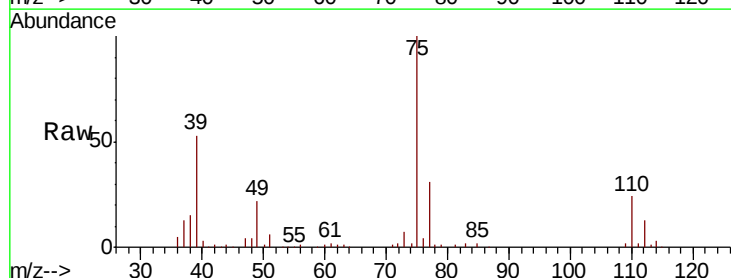
Acq: 21 Oct 2020 13:26

Tgt Ion: 75 Resp: 150088

Ion Ratio Lower Upper

75 100

77 30.7 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU040870.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU040870.D (-2046) (-)

8.21

100000

80000

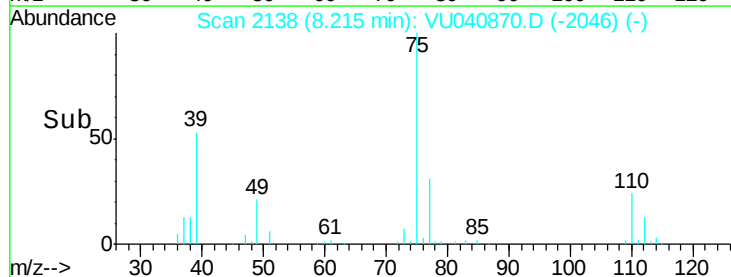
60000

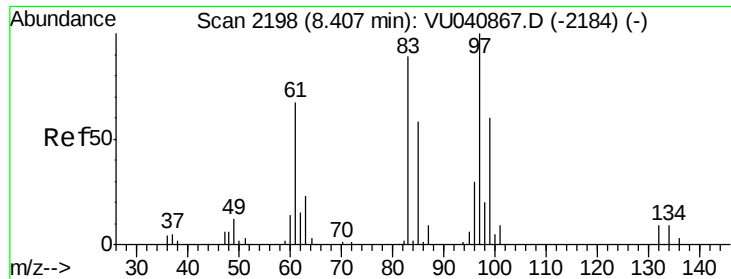
40000

20000

0

Time-->

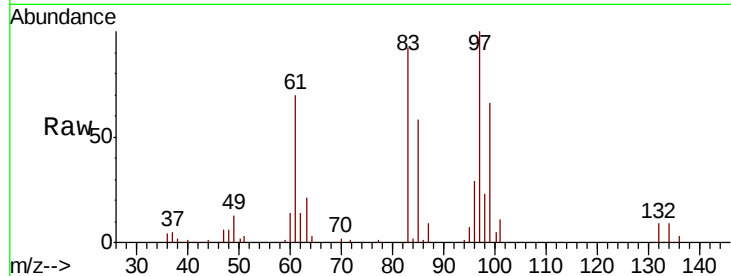




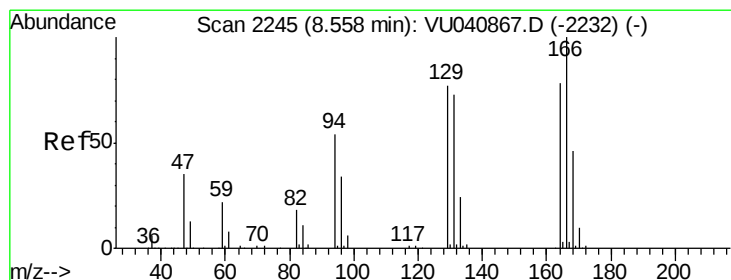
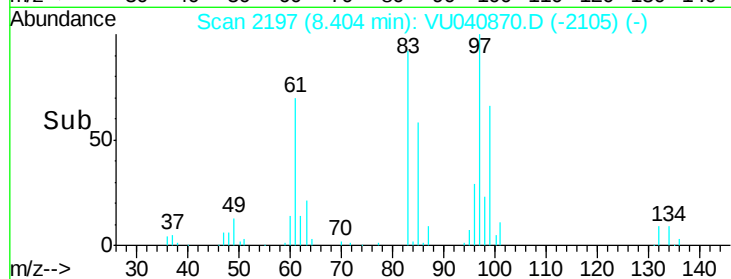
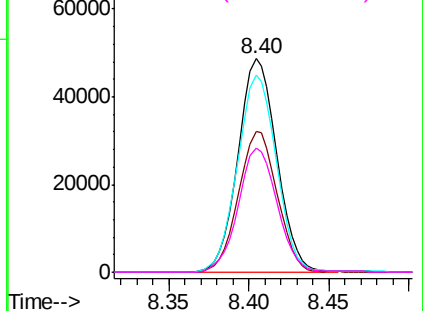
#45
 1,1,2-Trichloroethane
 Concen: 5.138 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tot Ion:	97	Resp:	80538
Ion	Ratio	Lower	Upper
97	100		
99	65.7	42.1	78.1
83	92.4	62.0	115.2
85	58.4	40.3	74.8

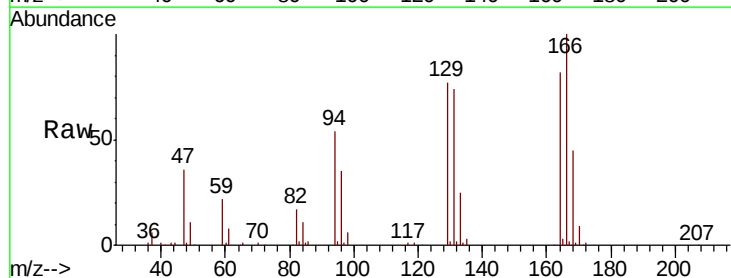


Abundance Ion 96.95 (96.65 to 97.65): VU040870.D (-2198) (-)

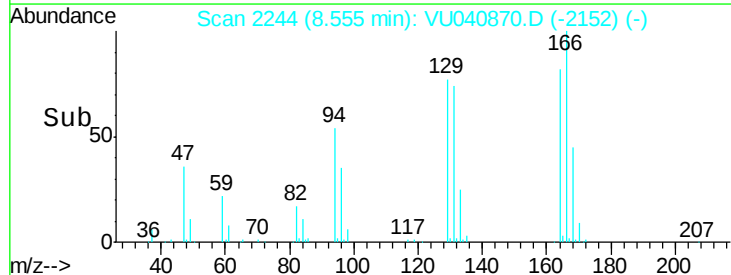
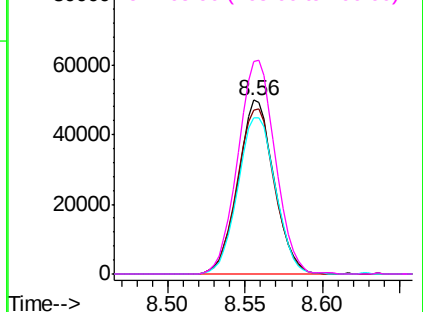


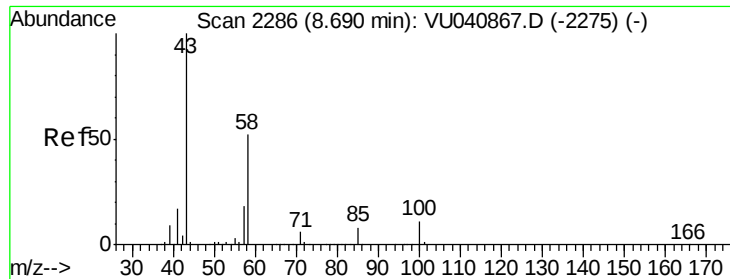
#47
 Tetrachloroethene
 Concen: 5.019 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Tgt Ion:	164	Resp:	81010
Ion	Ratio	Lower	Upper
164	100		
129	94.5	69.7	129.4
131	90.1	65.4	121.4
166	122.2	90.0	167.2



Abundance Ion 163.90 (163.60 to 164.60): VU040870.D (-2245) (-)

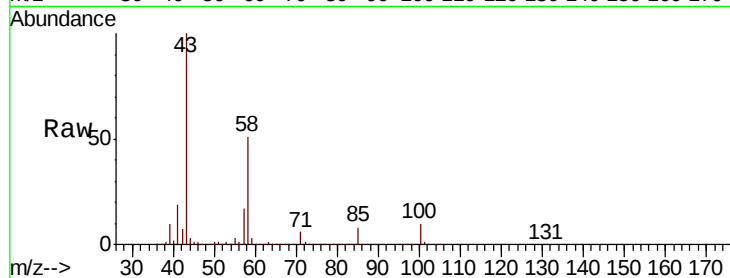




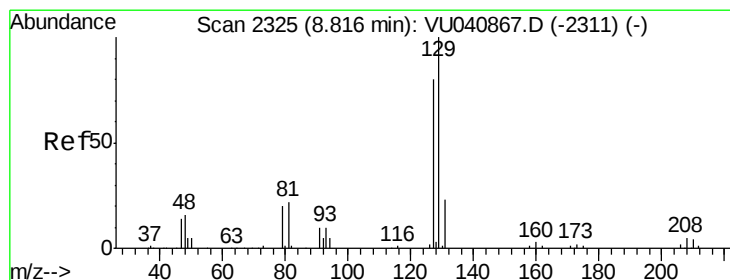
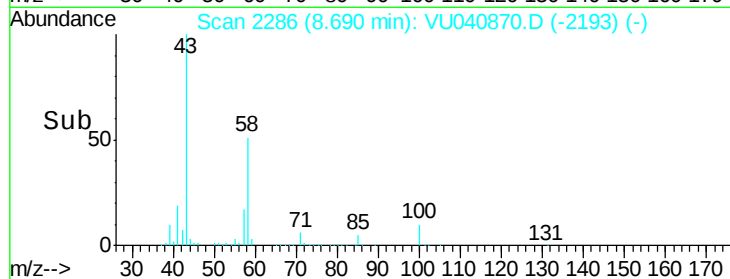
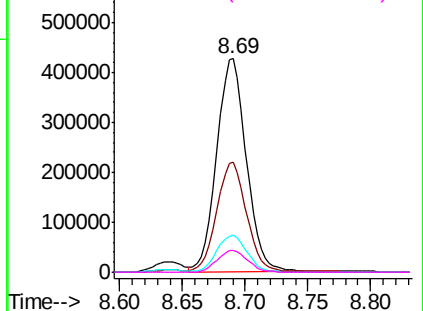
#48
2-Hexanone
Concen: 62.408 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tot Ion:	43	Resp:	700889
Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.9	61.3
57	17.8	14.4	21.6
100	10.6	8.3	12.5

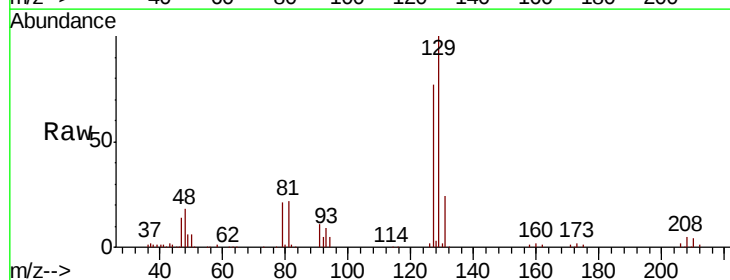


Abundance Ion 43.05 (42.75 to 43.75): VU040870.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040870.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040870.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040870.D (-2193) (-)

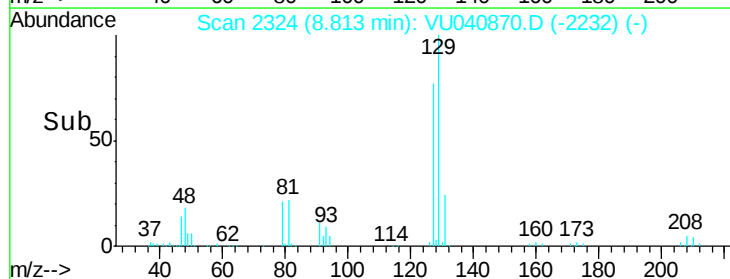
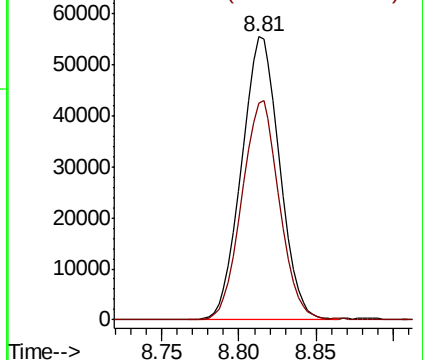


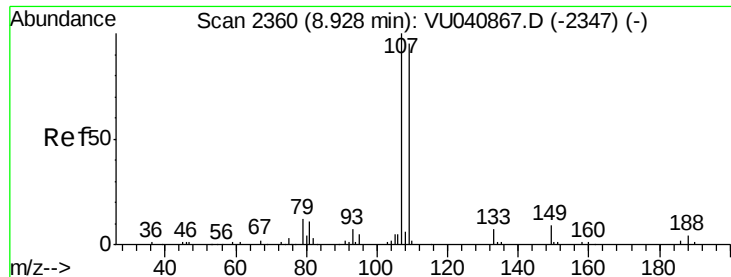
#49
Dibromochloromethane
Concen: 5.097 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Tgt Ion:	129	Resp:	95323
Ion	Ratio	Lower	Upper
129	100		
127	76.5	55.9	103.9



Abundance Ion 128.95 (128.65 to 129.65): VU040870.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040870.D (-2232) (-)

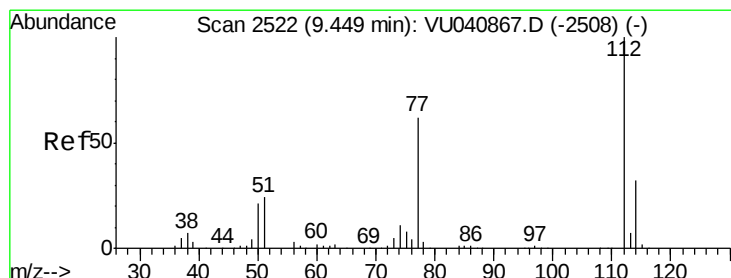
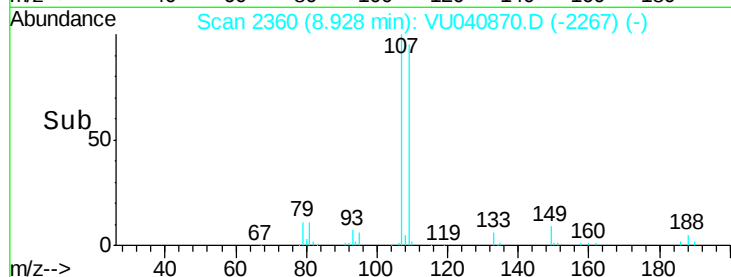
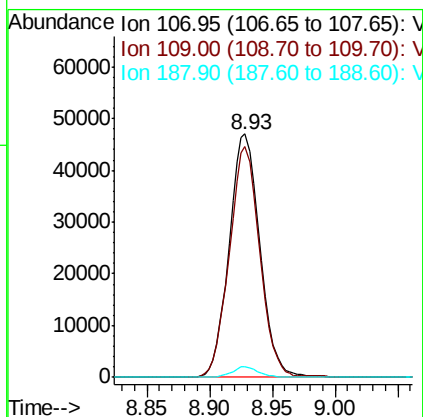
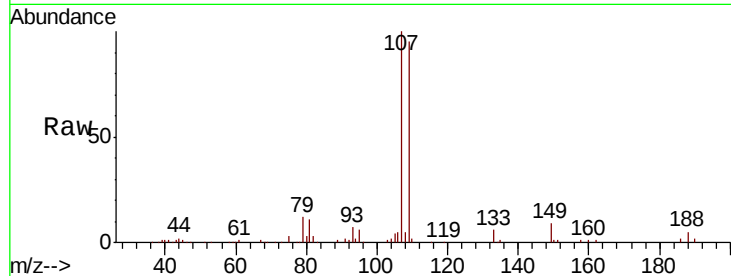




#50
1,2-Dibromoethane
Concen: 5.478 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

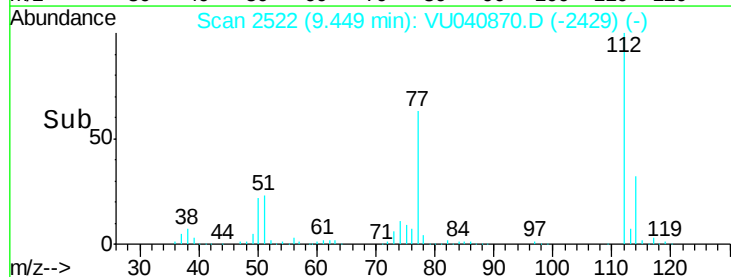
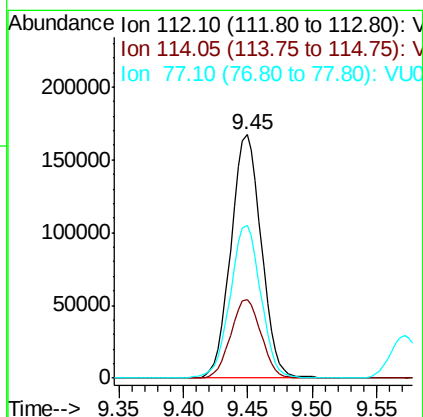
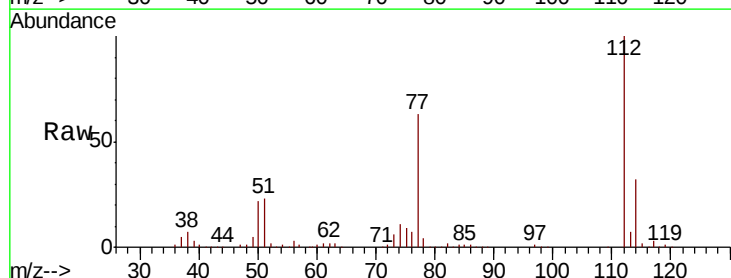
Instrument :
MSVOA_U
ClientSampleId :
VICV05

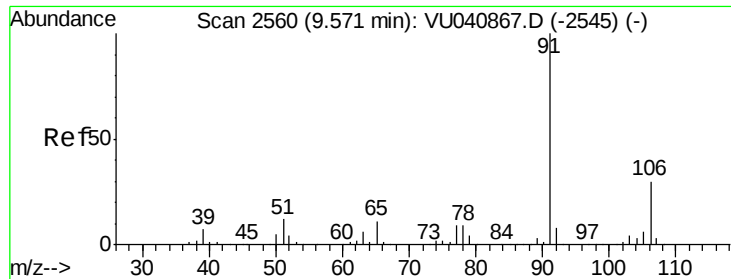
Tot Ion:107 Resp: 80216
Ion Ratio Lower Upper
107 100
109 94.9 66.2 123.0
188 4.6 3.1 4.7



#51
Chlorobenzene
Concen: 4.960 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Tgt Ion:112 Resp: 274118
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 62.6 49.8 74.6

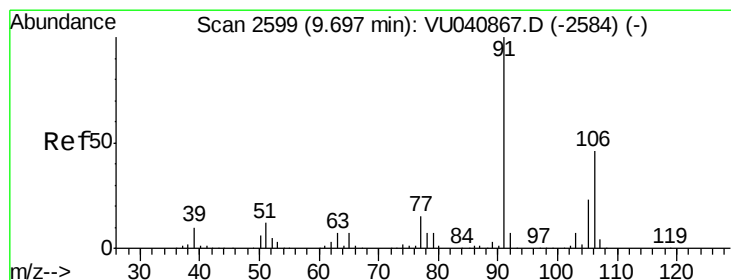
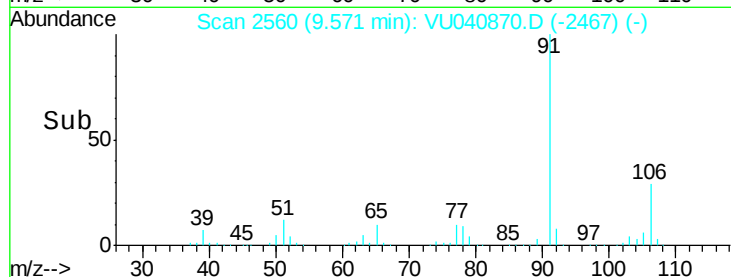
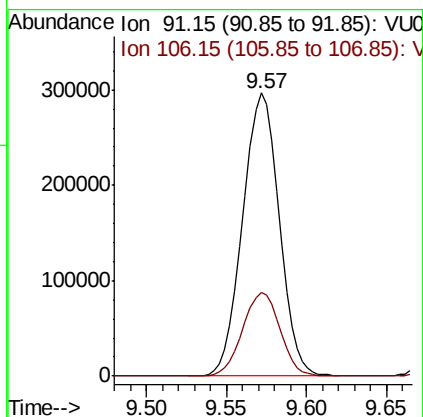
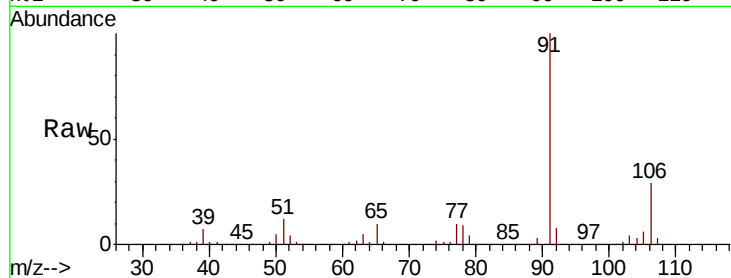




#52
Ethylbenzene
Concen: 5.034 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

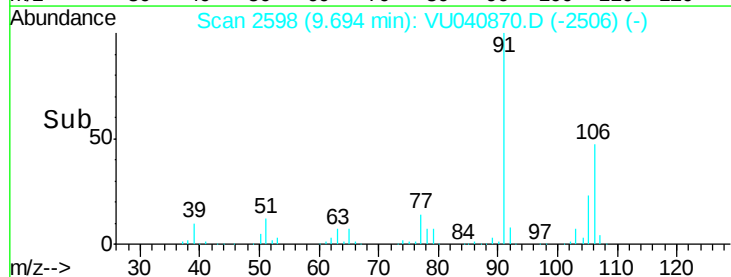
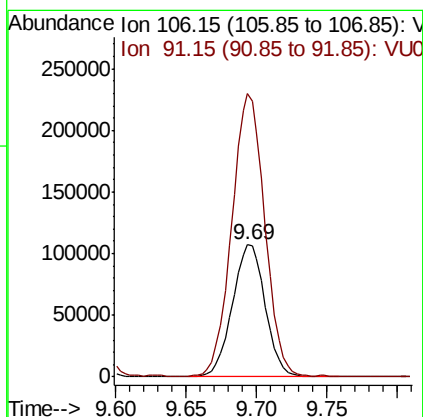
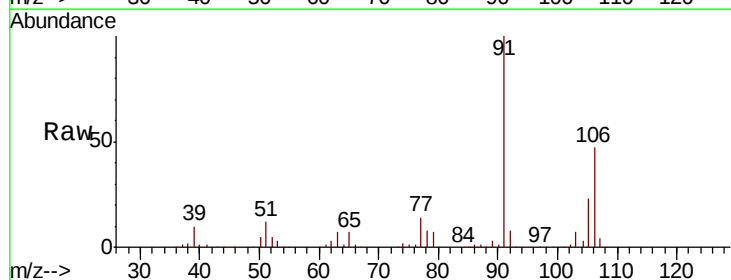
Instrument :
MSVOA_U
ClientSampleId :
VICV05

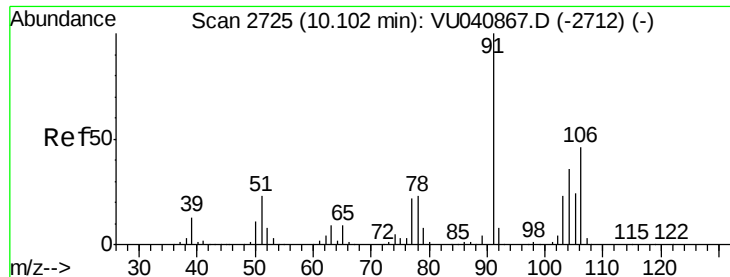
Tot Ion: 91 Resp: 463273
Ion Ratio Lower Upper
91 100
106 29.4 21.2 39.4



#53
m,p-Xylene
Concen: 5.253 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Tgt Ion: 106 Resp: 174146
Ion Ratio Lower Upper
106 100
91 214.2 153.3 284.7

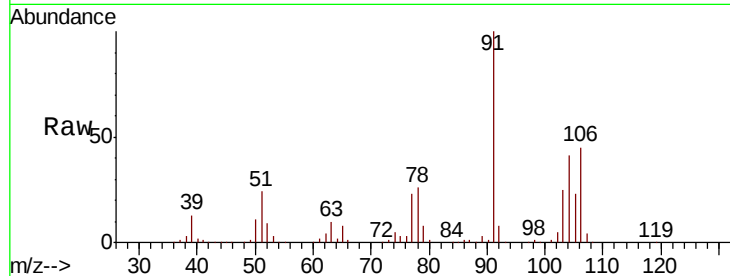




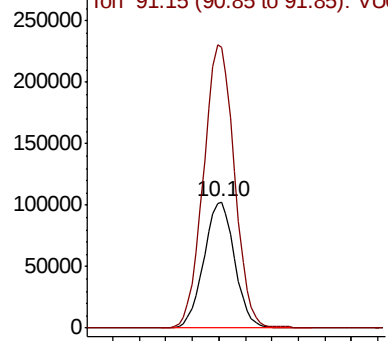
#54
o-Xylene
Concen: 5.252 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

Instrument :
MSVOA_U
ClientSampled :
VICV05

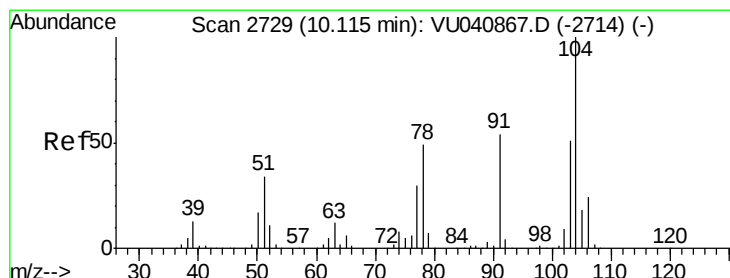
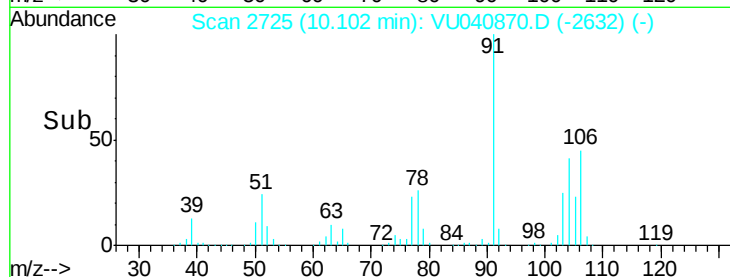
Tot Ion:106 Resp: 165548
Ion Ratio Lower Upper
106 100
91 222.7 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

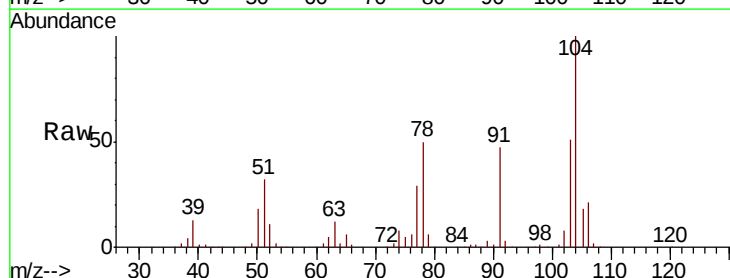


Time-->

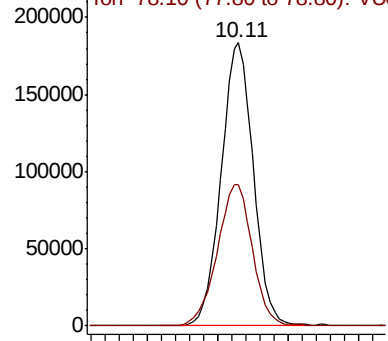


#55
Styrene
Concen: 5.341 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040870.D
Acq: 21 Oct 2020 13:26

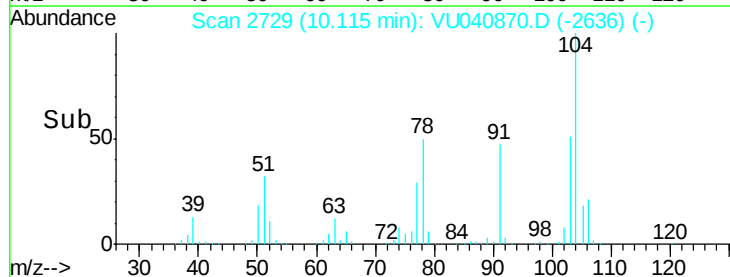
Tgt Ion:104 Resp: 292872
Ion Ratio Lower Upper
104 100
78 49.7 34.6 64.3

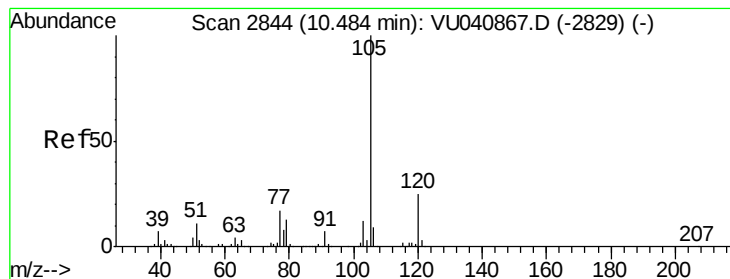


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.275 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VICV05

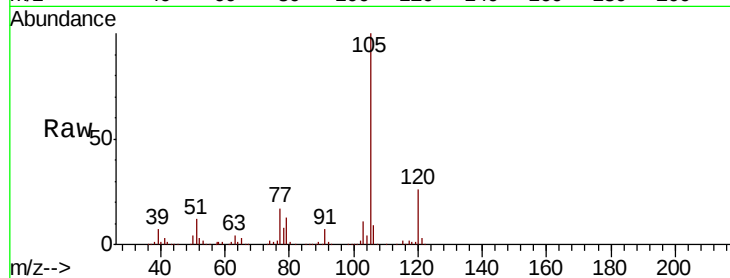
Tot Ion:105 Resp: 444975

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.4

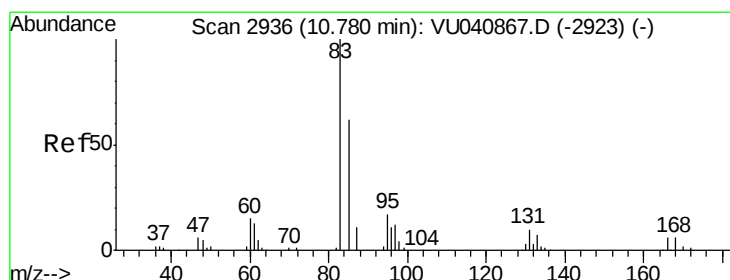
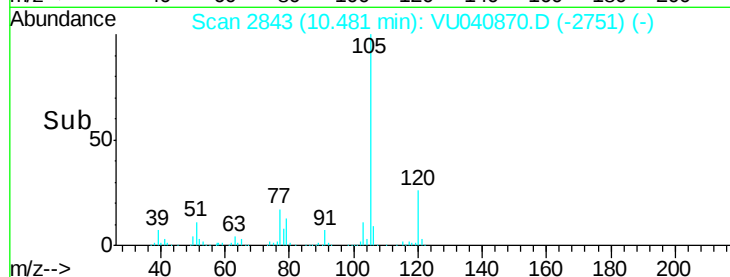
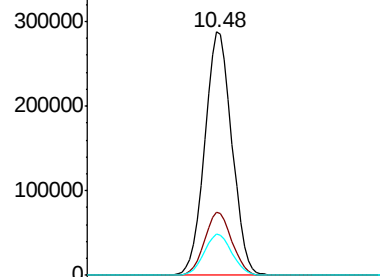
77 17.3 13.6 20.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.555 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

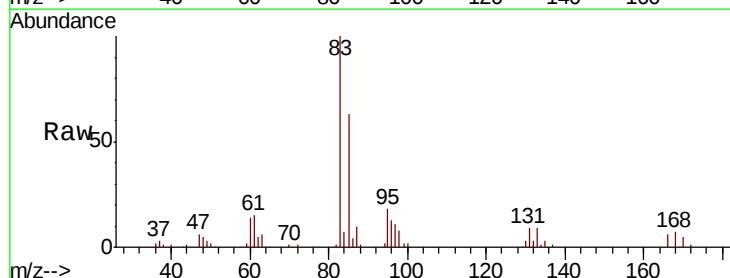
Tgt Ion: 83 Resp: 110923

Ion Ratio Lower Upper

83 100

85 63.4 44.1 81.9

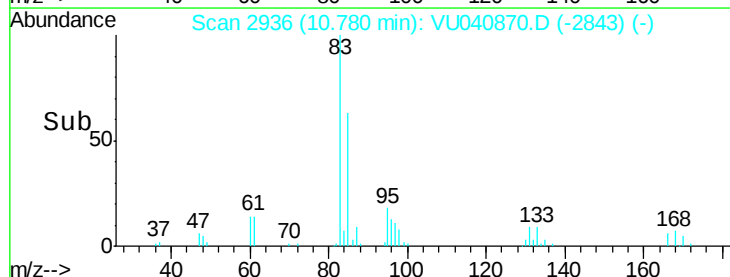
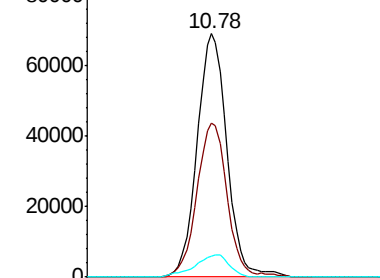
131 8.6 8.1 12.1

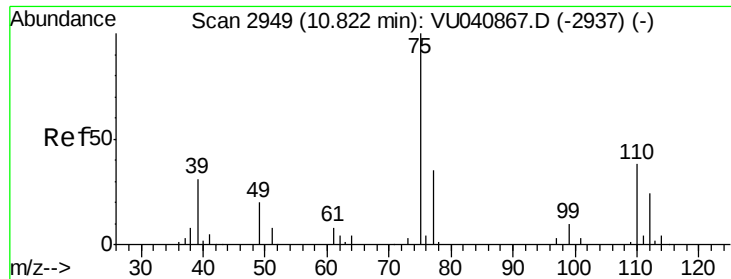


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.523 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

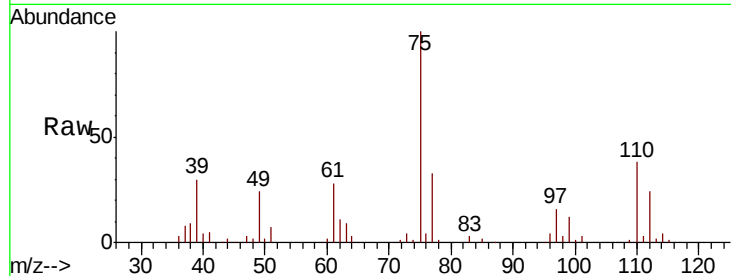
VICV05

Tot Ion: 75 Resp: 82585

Ion Ratio Lower Upper

75 100

77 33.0 27.5 41.3

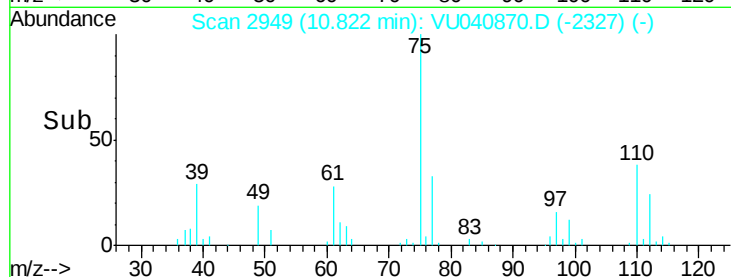


Abundance Ion 75.00 (74.70 to 75.70): VU040870.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU040870.D (-2327) (-)

10.82

Time-->



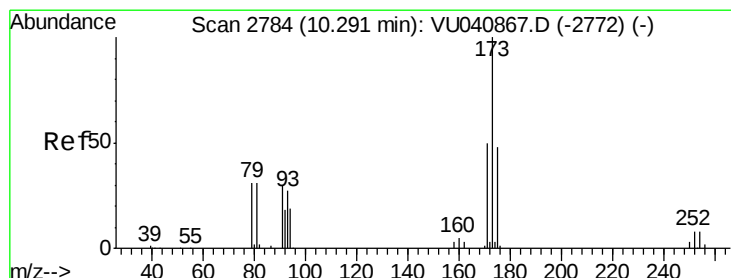
Abundance

Ion 75.00 (74.70 to 75.70): VU040870.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU040870.D (-2327) (-)

10.82

Time-->



#61

Bromoform

Concen: 5.339 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

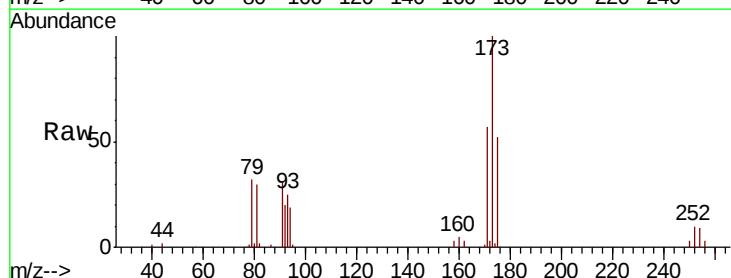
Tgt Ion: 173 Resp: 53051

Ion Ratio Lower Upper

173 100

175 49.8 39.0 58.6

254 8.1 6.9 10.3



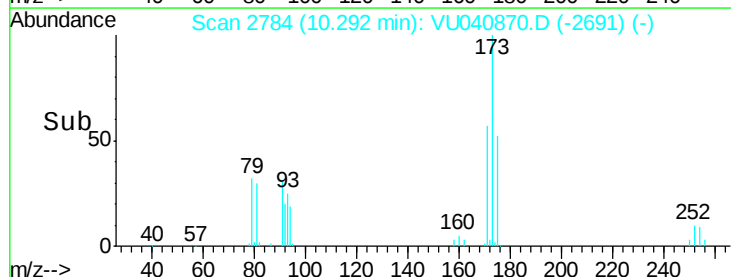
Abundance Ion 172.90 (172.60 to 173.60): VU040870.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU040870.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU040870.D (-2691) (-)

10.29

Time-->



Abundance

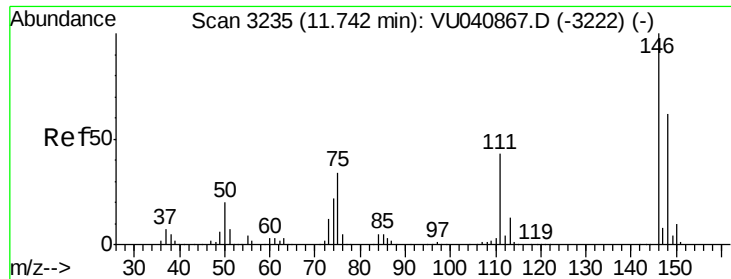
Ion 172.90 (172.60 to 173.60): VU040870.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU040870.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU040870.D (-2691) (-)

10.29

Time-->



#62

1,3-Dichlorobenzene

Concen: 5.185 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VICV05

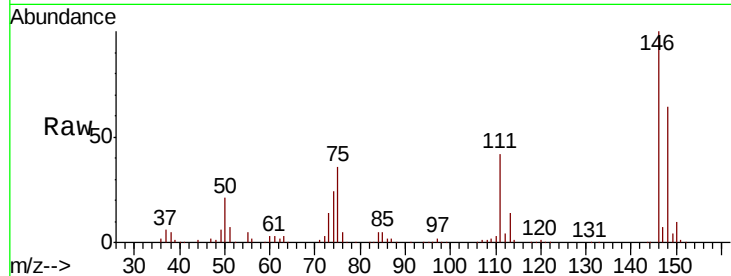
Tot Ion:146 Resp: 222674

Ion Ratio Lower Upper

146 100

111 41.7 30.2 56.2

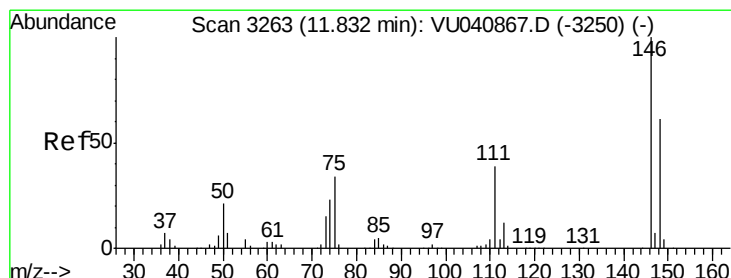
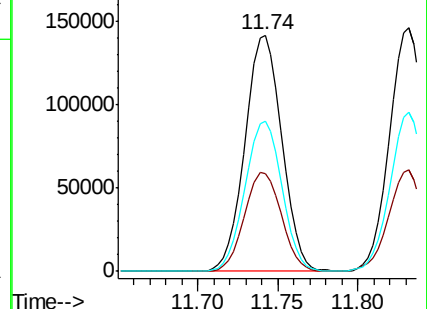
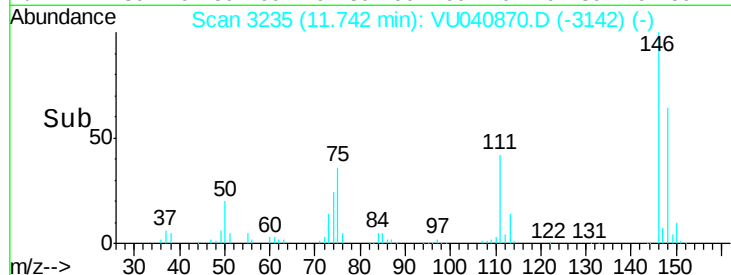
148 63.8 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.207 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

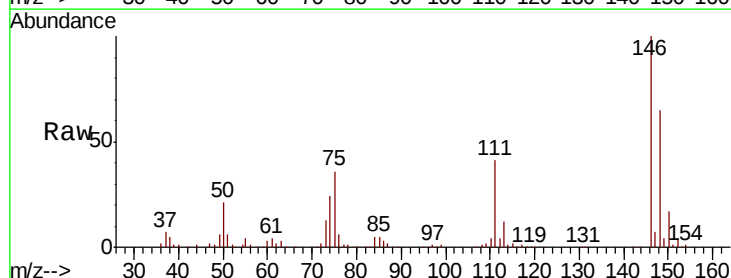
Tgt Ion:146 Resp: 229848

Ion Ratio Lower Upper

146 100

111 41.5 27.6 51.4

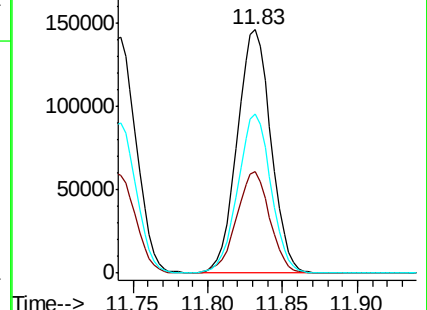
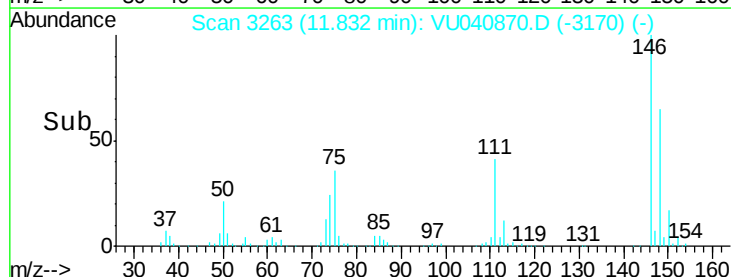
148 65.2 42.4 78.8

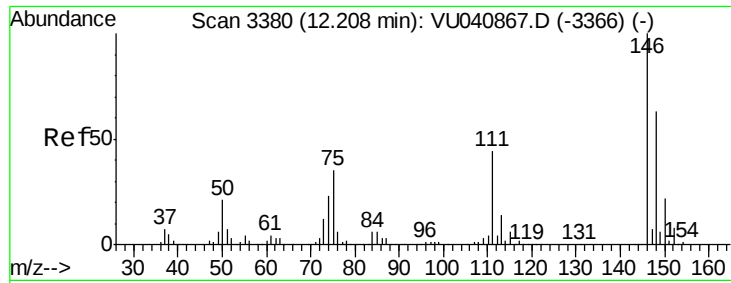


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.413 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VICV05

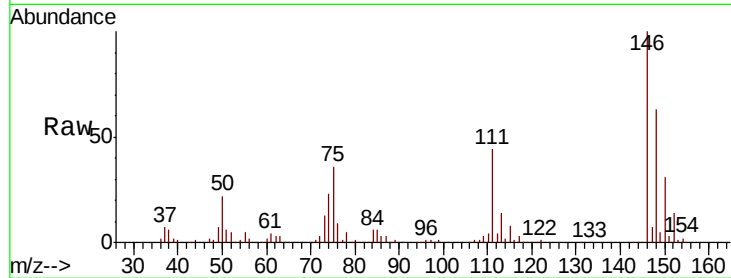
Tot Ion:146 Resp: 218186

Ion Ratio Lower Upper

146 100

111 43.9 35.4 53.2

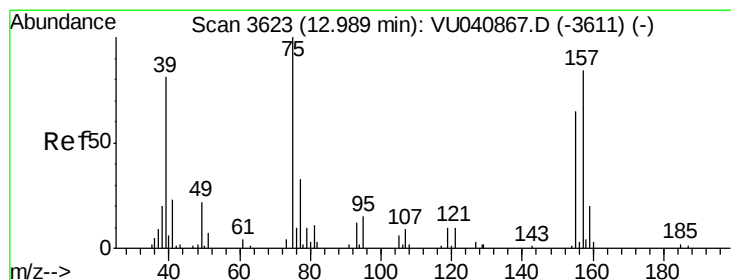
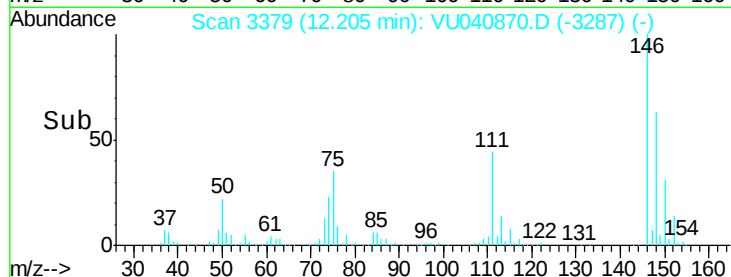
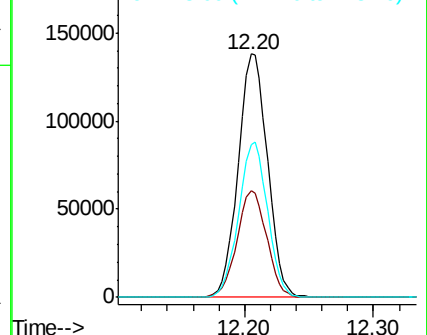
148 62.8 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.180 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

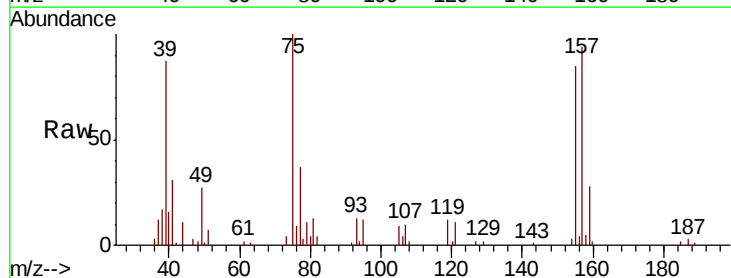
Tgt Ion: 75 Resp: 19429

Ion Ratio Lower Upper

75 100

155 84.7 51.7 77.5#

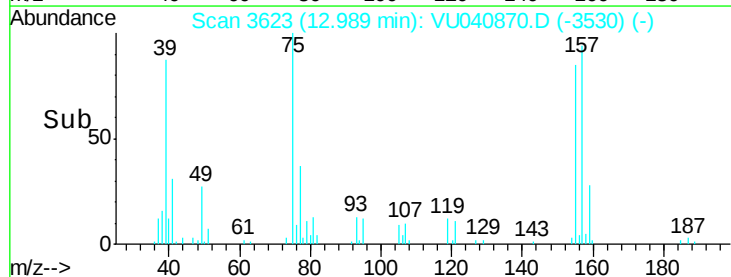
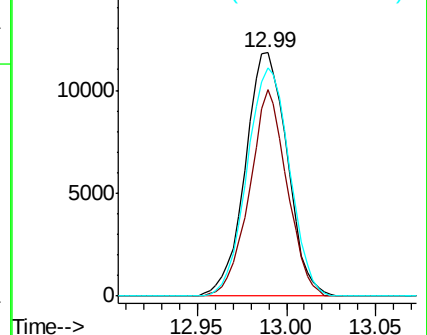
157 93.5 66.9 100.3

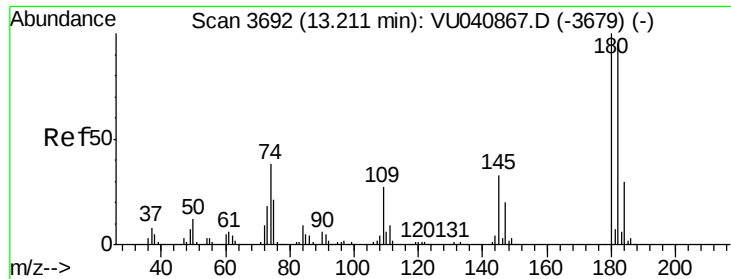


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

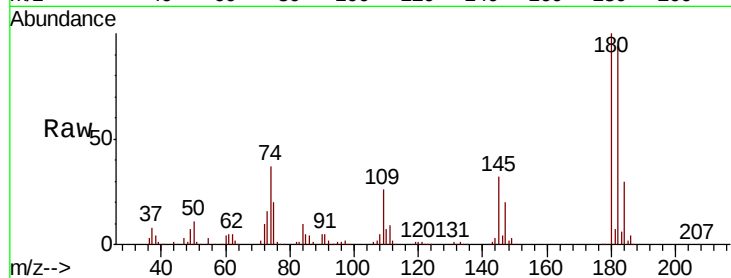




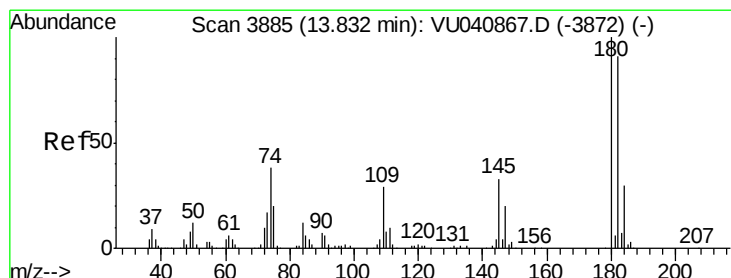
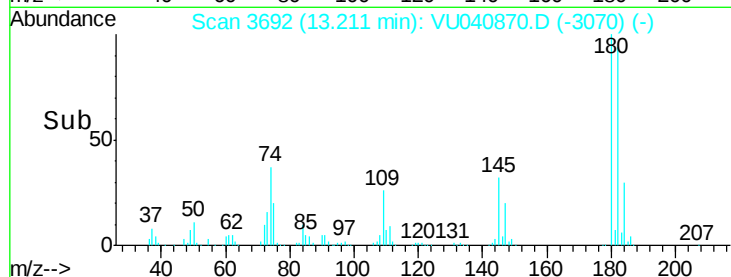
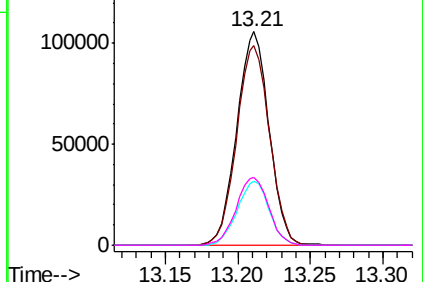
#67
 1,3,5-Trichlorobenzene
 Concen: 5.161 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tot Ion:180 Resp: 162703
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.6 116.4
 184 29.8 24.7 37.1
 145 32.1 25.9 38.9

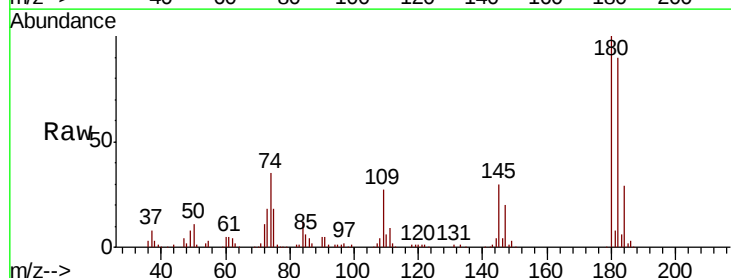


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

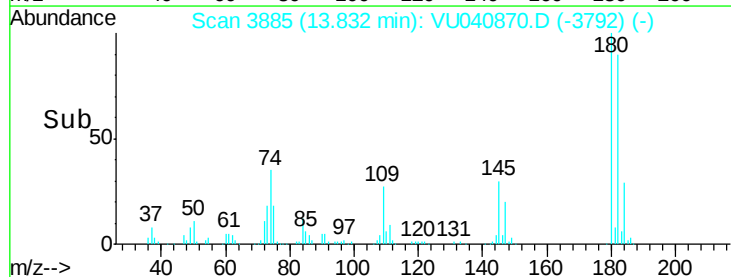
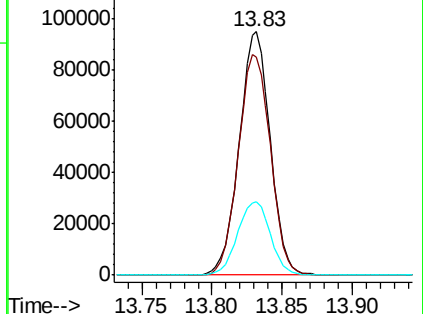


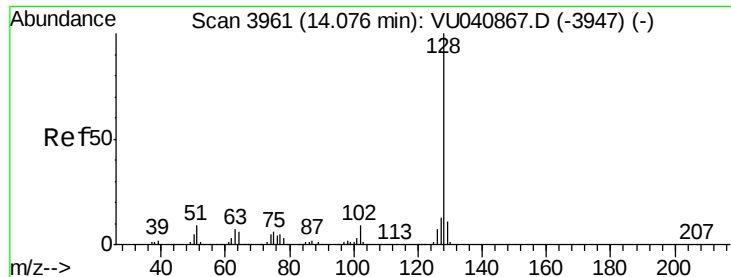
#68
 1,2,4-trichlorobenzene
 Concen: 5.503 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040870.D
 Acq: 21 Oct 2020 13:26

Tgt Ion:180 Resp: 146230
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.4 114.6
 145 31.8 26.2 39.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.757 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VICV05

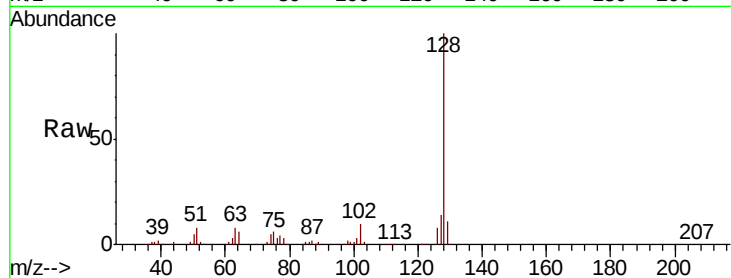
Tot Ion:128 Resp: 281556

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

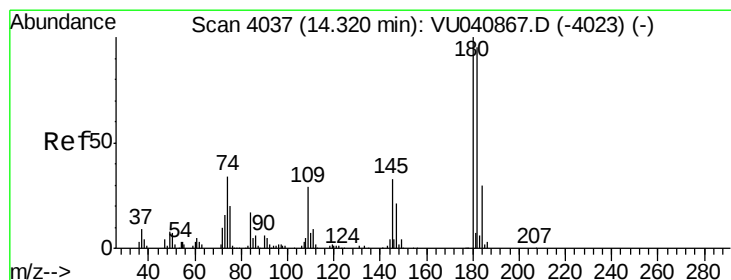
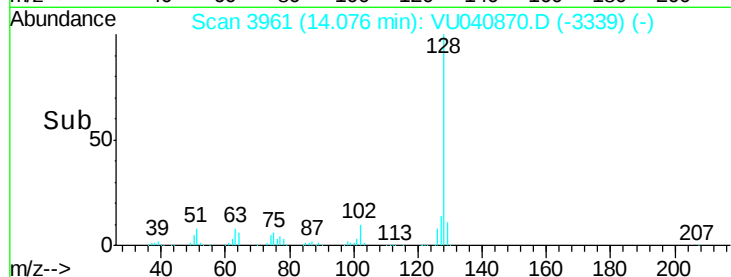
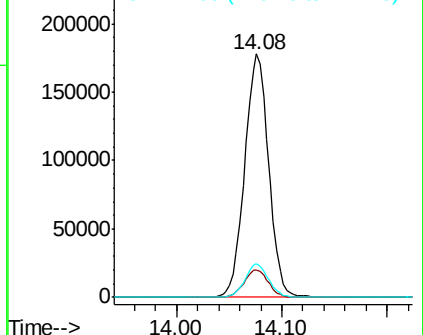
127 13.4 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.442 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040870.D

Acq: 21 Oct 2020 13:26

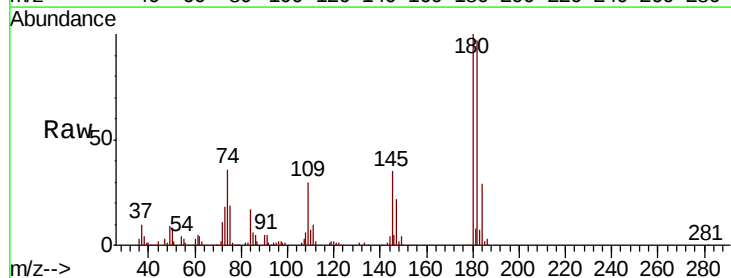
Tgt Ion:180 Resp: 140246

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.6

145 34.5 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

